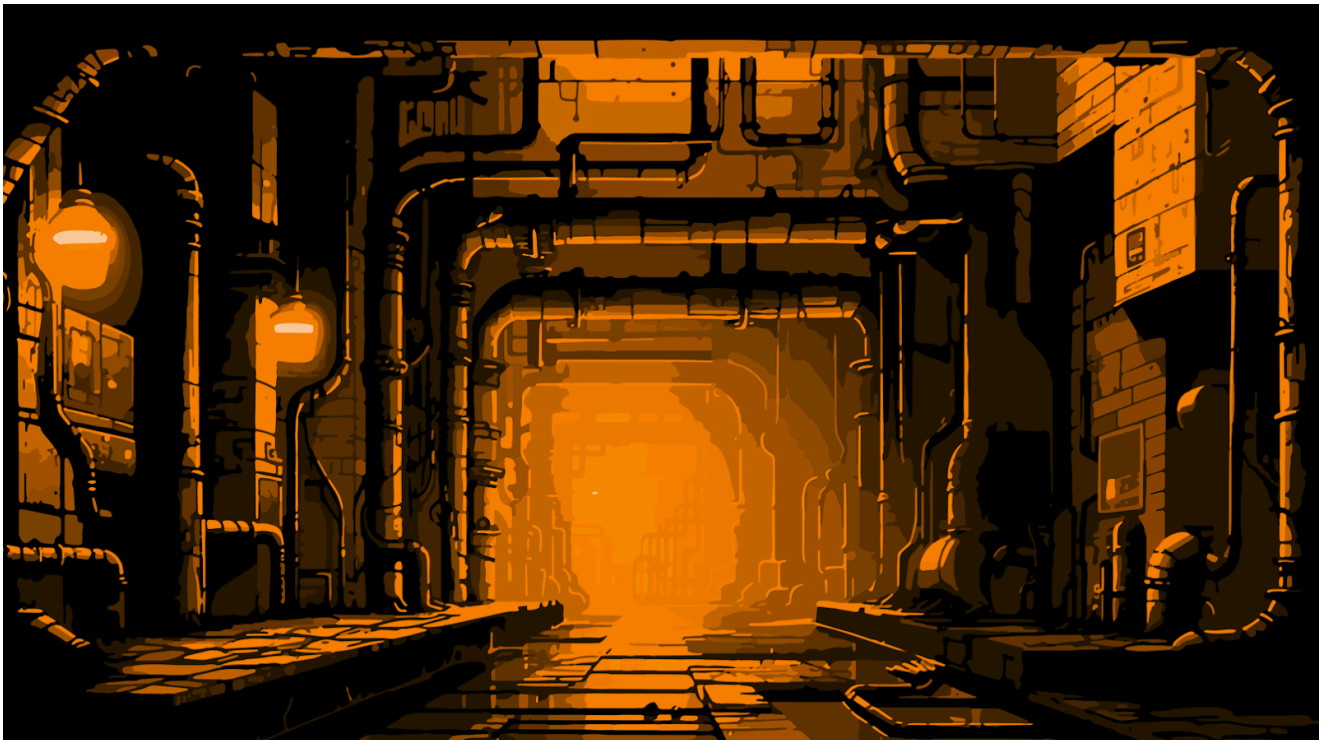


# **SAINTCON**

## **OFFICIAL MINIBADGE**

Assembly Guide 2024



This guide provides assembly instructions and guides for SAINTCON MiniBadges.

v3.0 10/20/2024

**RARITY:** This term is a little subjective, but is based on the following general guidelines:

500+ Available - Very Common  
300 - 500 Available - Common  
200 - 300 Available - Uncommon  
100 - 200 Available - Rare  
100 or fewer - Super Rare  
10 or fewer - Not Included

**DIFFICULTY:** This is the basic definition of assembly difficulty:

**BEGINNER:** Generally uses large components, and with some basic soldering skills, this badge should be simple to assemble for most people.

**INTERMEDIATE:** Badges with this rating should not scare you away from assembling them. They get this rating when they use smaller components that might require a little more attention or steady hand to assemble. This could also indicate some level of complexity.

**ADVANCED:** Badges with this rating are generally for those with more refined soldering skills. Components are generally small and require a very steady and nimble hand to solder manually. We still encourage you to try. Using solder-paste and an oven can make this easier.

**TYPES:** We have done our best to compile in this guide an assembly guide for all known Minibadges.

These badges fall into the following categories:

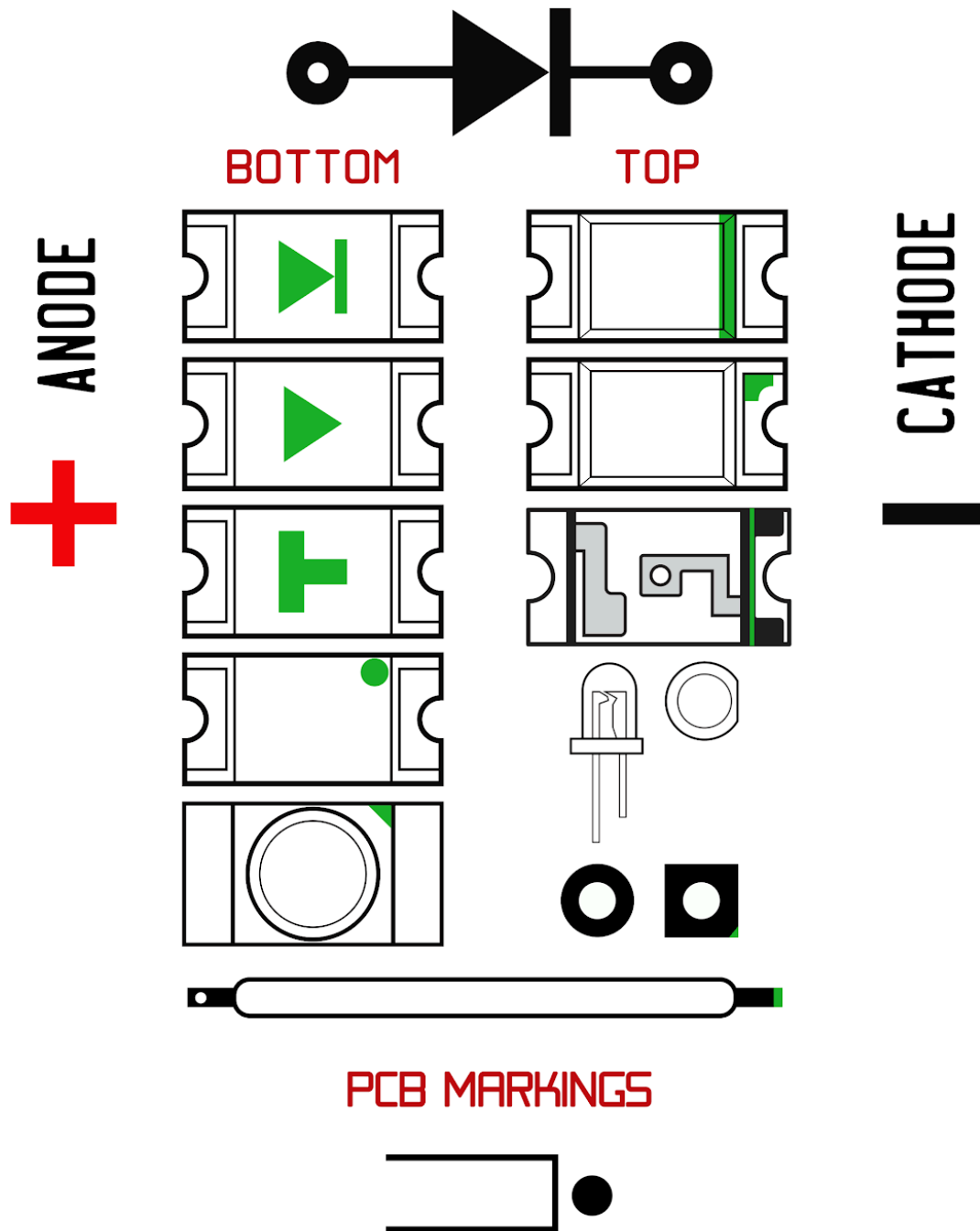
**OFFICIAL:** Badges designed specifically for the conference, and are acquired as part of the efforts to participate and explore what the conference has to offer.

**SPONSOR:** Badges designed by/for our proud sponsors. We are excited to see more sponsor minibadges than ever before.

**PERSONAL:** Many minibadge creators are super proud of their works, and are bringing badges to the conference for trading or to use for networking with people. These are not supported directly by the conference, but are featured here for convenience and assembly help.



# LED ORIENTATION GUIDE



**HAND SOLDERING:**  
**NEVER SOLDER SMD COMPONENTS ABOVE 350°C.**  
**SOLDERING ABOVE THIS TEMPERATURE WILL CAUSE DAMAGE!**

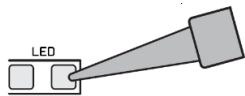
**When hand-soldering Surface Mount Devices (SMD), the easiest method is to solder one-pad at a time, and it's called the Single-Pad Soldering Method.**

**Here's how it works:**

#### SINGLE-PAD SOLDERING METHOD

Regardless of how many contacts there are, it is important to only ever add solder to ONE PAD until the component is attached to the board. For example, with a standard LED here is how you would complete this process:

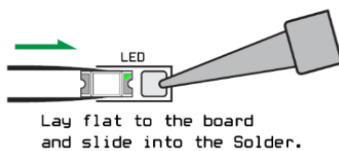
1. Use the soldering-iron to heat up and add a SMALL dab of solder to one side of the attachment pads



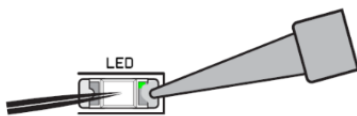
2. Use tweezers to carefully hold the LED with one side of the exposed contacts sticking out. For LEDs be sure to use the right orientation to avoid attaching the component backwards.



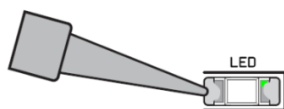
3. Re-Heat the solder placed on the single-pad with the iron, and carefully slide one side of the LED component into the molten solder.



4. Remove the heat, and allow the component to connect to the board. Once attached, use tweezers to gently rest on the top of the LED, and reheat the solder one last time. This will allow the component to settle flat to the board.



5. Once attached and flat to the board, use the iron to add a SMALL dab of solder to the other side of the LED to complete the attachment. Very little solder is needed.



# SAINTCON MINIBADGE

## ALL OFFICIAL MINIBADGES

The following badges are contributed by various minibadge creators and are included here for reference. Any issues with these badges should be referred to the creator.



OFFICIAL	SPONSOR	COMMUNITY	EVENT	CONTEST	AWARD	PERSONAL	BADGE ACCESSORY
2	13	17	5	10	1	189	8
							OTHER
							3

FRONT



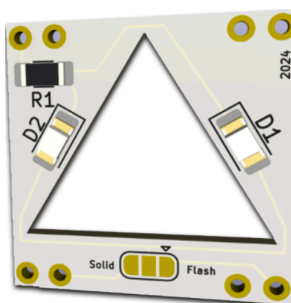
# SPONSOR MINIBADGE

## Arctic Wolf

Designed By: Cyberm3n

2024's Sponsor badge for Arctic Wolf

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

HOW DO I GET ONE?

Stop by our Booth  
Talk/Trade with Arctic Wolf employee  
Just ask me for one

### ASSEMBLY INSTRUCTIONS:

Solder 10  $\Omega$  resistor to R1

Solder LED to D1 & D2

Cut header PIN(s) to size as needed

Solder Tall PIN(s) into bottom Vias of bottom and top boards (Ensure solder penetration of all Vias)

Solder Regular PIN(s) into top Vias

Solder Jumper to either Flash or Solid

BOARD/LED TYPE:

**LED**



PARTS USED:

1206 LEDs (White or Blue)

1206 Resistor

FRONT



BACK



# SPONSOR MINIBADGE

## Howling Wolf (Arctic Wolf)

Designed By: Cyberm3n

The howling wolf of Arctic Wolf; is part of a set (potentially 100 complete sets)

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

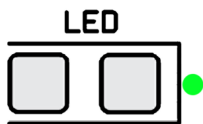
HOW DO I GET ONE?

Talk to an Arctic Wolf employee; do a trick or provide a trade

### ASSEMBLY INSTRUCTIONS:

Solder 10  $\Omega$  resistor to R1 & R2  
Solder White LED to D5 & D6  
Side Mount/Solder Blue LED to D7 Blue  
Cut header PIN(s) to size as needed  
Solder PIN(s) to board  
Solder Jumper to either Flash or Solid  
OPTIONAL Cover LEDs with Hot Glue as a diffuser

BOARD/LED TYPE:



PARTS USED:

1206 LED  
0805 LED  
1206 Resistor

PART OF SET:

Arctic Wolf  
Set 1 of 3

FRONT



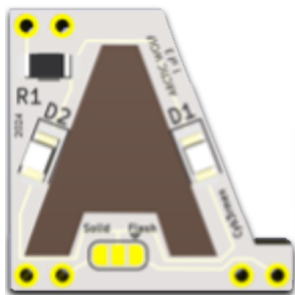
# SPONSOR MINIBADGE

## Letter A (Arctic Wolf)

Designed By: Cyberm3n

The letter A of of Arctic Wolf; is part of a set (potentially 100 complete sets)

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

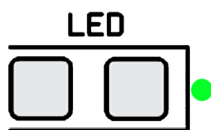
HOW DO I GET ONE?

Talk to an Arctic Wolf employee; do a trick or provide a trade

### ASSEMBLY INSTRUCTIONS:

Solder 10  $\Omega$  resistor to R1  
Solder Blue LED to D1 & D2  
Cut header PIN(s) to size as needed  
Solder PIN(s) to board  
Solder Jumper to either Flash or Solid  
OPTIONAL Cover LEDs with Hot Glue as diffuser

BOARD/LED TYPE:



PARTS USED:

1206 LEDs  
1206 Resistor

PART OF SET:

Arctic Wolf  
Set 2 of 3

FRONT



# SPONSOR MINIBADGE

## Letter W (Arctic Wolf)

Designed By: Cyberm3n

Letter W of Arctic Wolf; is part of a set (potentially 100 complete sets)

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

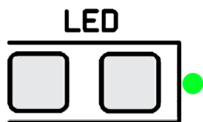
HOW DO I GET ONE?

Talk to an Arctic Wolf employee; do a trick or provide a trade

### ASSEMBLY INSTRUCTIONS:

Solder 10  $\Omega$  resistor to R2  
Solder Blue LED to D3 & D4  
Cut header PIN(s) to size as needed  
Solder PIN(s) to board  
Solder Jumper to either Flash or Solid  
OPTIONAL Cover LEDs with Hot Glue as diffuser

BOARD/LED TYPE:



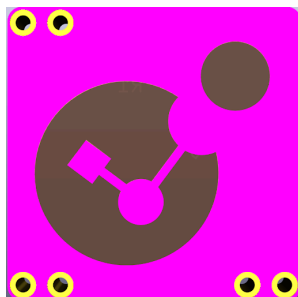
PARTS USED:

1206 LEDs  
1206 Resistor

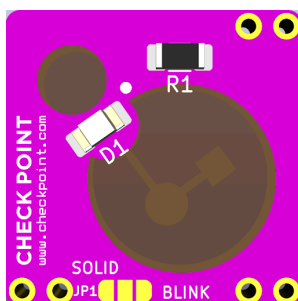
PART OF SET:

Arctic Wolf Set  
3 of 3

FRONT



BACK



# SPONSOR MINIBADGE

## Checkpoint Security Saintcon Official Sponsor Minibadge

Designed By: Jup1t3r

Protect What Matters Most!

Our Infinity Platform delivers AI-powered and cloud-delivered cyber security across your entire enterprise: network, cloud, and workspace.

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

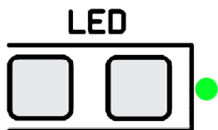
HOW DO I GET ONE?

Come visit our booth and learn how we can help you protect what matters most!

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the jumper. (Pads at the bottom.) Either both of the right pads to make the badge blink or solder both of the left pads together to have the LED stay solid on.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers



FRONT



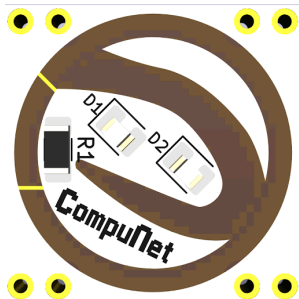
# SPONSOR MINIBADGE

## Compunet Official Saintcon Sponsor Badge

Designed By: Jup1t3r

Compunet provides seamless audio and visual solutions to facilitate efficient meetings and communications. Systems are specifically designed for your unique space. Our team of highly skilled engineers take the lead in designing, developing, and implementing solutions that address complex business challenges.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

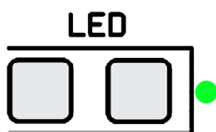
HOW DO I GET ONE?

Come visit our boot and chat about our partners and the many solutions we offer!

### ASSEMBLY INSTRUCTIONS:

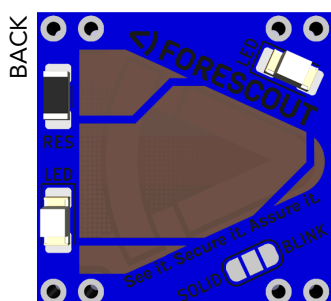
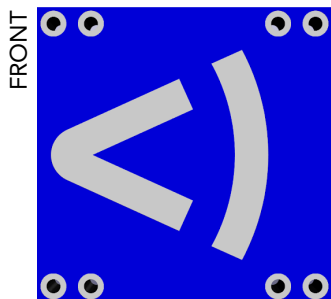
- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers



# SPONSOR MINIBADGE

## Forescout Official Sponsor Minibadge

Designed By: Jup1t3r

The Forescout Advantage:

Forescout is the only automated cybersecurity company that continuously identifies, protects and ensures the compliance of all managed and unmanaged assets – IT, IoT, IoMT and OT – so you can more effectively manage cyber risk and mitigate threats.

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

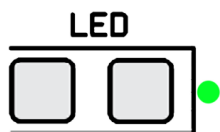
HOW DO I GET ONE?

Come visit our booth and chat about how Forescout can help you secure your IOT devices.

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the jumper. (Pads at the bottom.) Either both of the right pads to make the badge blink or solder both of the left pads together to have the LED stay solid on.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



# SPONSOR MINIBADGE

## VLCM Official Saintcon Sponsor Minibadge

Designed By: Jup1t3r

"We could not be more excited to have VLCM back again this year and partner with us at this level. Their Minibadge design is of a rabid ferret, which is Valcom's Cybersecurity mascot."

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Come chat with us about our great solutions!

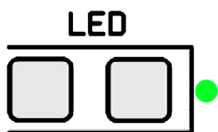
RARITY:

**COMMON**

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



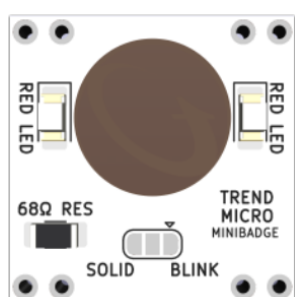
# SPONSOR MINIBADGE

## TREND MICRO Saintcon Sponsor Minibadge

Designed By: Jup1t3r

Trend Micro is here again as one of our amazing sponsors of Saintcon this year. Trusted by 500,000 Trend Micro customers globally to swiftly detect and respond to threats. Better understand, communicate and mitigate cyber risk across your enterprise with Trend.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

You can obtain this badge by visiting their booth and interacting with any of their staff.

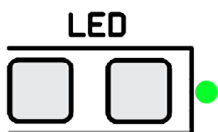
RARITY:

**UNCOMMON**

### ASSEMBLY INSTRUCTIONS:

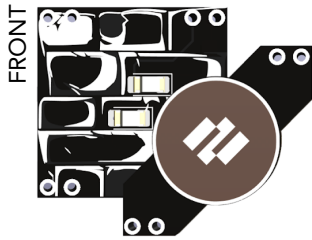
- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

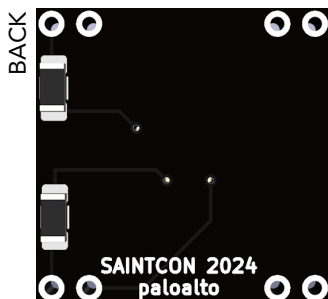


# SPONSOR MINIBADGE

## Palo Alto Saintcon Sponsor Minibadge

Designed By: Palo Alto

Palo Alto provides NGFW's just like their firewalls their minibadges are also next generation



DIFFICULTY:  
**INTERMEDIATE**

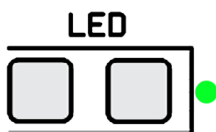
HOW DO I GET ONE?  
Visit the Palo Alto Sponsor Booth

RARITY:  
**UNCOMMON**

### ASSEMBLY INSTRUCTIONS:

This badge uses the SMD soldering pad method. You will need to "reverse" the header pins so that the long ends stick up through the board on the lower left and upper right corners. See the assembly video . <https://bit.ly/fbspaloalto>

### BOARD/LED TYPE:



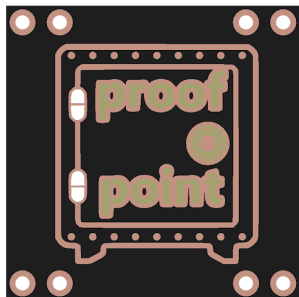
### PARTS USED:

1206 Orange LED  
1206 100R Resistor  
1 Standard Size Red PCB  
1 Crossbar Red PCB

Scan For  
Assembly  
Instructions:



FRONT



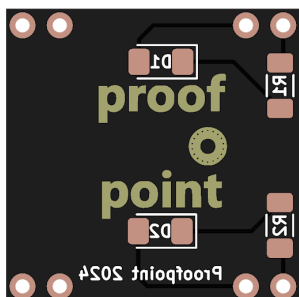
# SPONSOR MINIBADGE

## Proofpoint

Designed By: SHIFTY/Hollyhacker

Proofpoint Email Security will keep your email system locked up tight.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

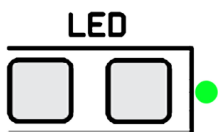
HOW DO I GET ONE?

You can get one of the badges by visiting the proofpoint booth, tracking down Boris, or messaging him on the saintcon Discord PassivlyOffside

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED first, using the single-pad method for hand soldering. LED is 0807 while board was designed for 1206, so it is a little smaller than expected but shouldn't cause too much issue when soldering. (Reason for intermediate rating)
- Solder the resistor using the single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers



# SPONSOR MINIBADGE

## Chief Varonis

Designed By: SHIFTY/Hollyhacker/Varonis

Varonis is the guardian of your Digital assets . Make sure you have them in place to protect your Digital assets

DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

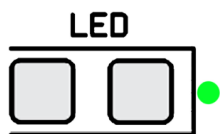
HOW DO I GET ONE?

Visit the Varonis Booth, Find JD , He is also known to wear a full suit that clearly identifies him as crazy ...

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 100R Resistors  
1206 Green SMD LED  
Varonis has 3 color variants of the PCB

FRONT



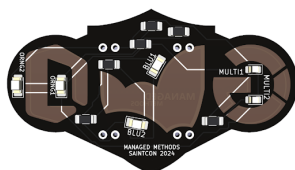
# SPONSOR MINIBADGE

## Managed Methods Minibadge

Designed By: Sponsor

Managed Methods. Is one of our amazing sponsors this year. Focusing on K-12 Cybersecurity products to keep your environment secure. "In the Dark of the web, Managed Methods is the light!"

BACK



DIFFICULTY:  
**BEGINNER**

RARITY:  
**RARE**

HOW DO I GET ONE?

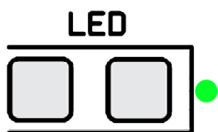
Stop by and visit our Sponsor Booth!

Scan the QR Code Below for detailed build instructions and to learn more about our company.

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Leds and resistors are labeled on the back of the board.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



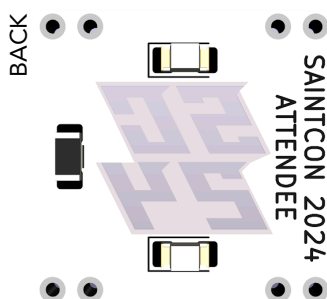
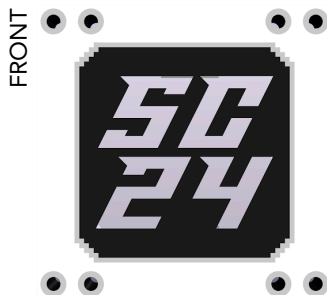
PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

Scan For  
Assembly  
Instructions:







# OFFICIAL MINIBADGE

## Official Attendee Minibadge

Designed By: Jup1t3r

WELCOME TO SAINTCON 2024! Every year Saintcon Commitee, Staff, Volunteers, and many others spend countless countless hours making Saintcon the best conference of your year.

We are grateful to be able to do this for the community and hope you have a great time learning, hacking, and working with friends, old and new. If you have been coming to Saintcon for 20 years, or if this is your first time. Welcome!

DIFFICULTY:

**BEGINNER**

RARITY:

**COMMON**

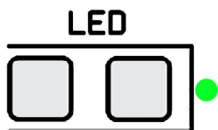
HOW DO I GET ONE?

Get your ticket for Saintcon and be ready to experience the Con!

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



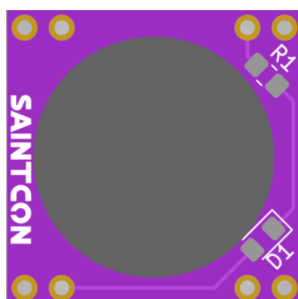
# OFFICIAL MINIBADGE

## Saintcon Store Official Minibadge

Designed By: Jup1t3r

The Saintcon store is an official staple of the con. The store grows every year with more and more amazing products and sponsored products from some of the best in the business.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Free with purchase while supplies last!

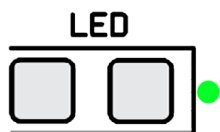
RARITY:

**COMMON**

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



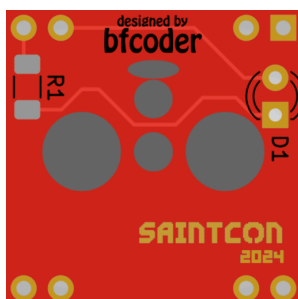
PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



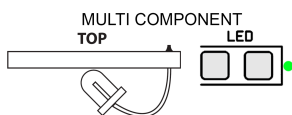
BACK



#### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

#### BOARD/LED TYPE:



#### PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

# COMMUNITY MINIBADGE

## Homelabs Community Minibadge

Designed By: bfcoder

Home Labs is a community of IT professionals and hobbyists who sharpen their skills for their \$dayjob while building cool stuff at home.

This community will be a space where you can talk about projects you are working on, work on – or better yet submit – some lab guides of cool solutions you have built, check out awesome demos, and join in with your fellow dumpster-diving hardware enthusiasts.

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

HOW DO I GET ONE?

Come and participate to get one of these unique Minibadges.

FRONT



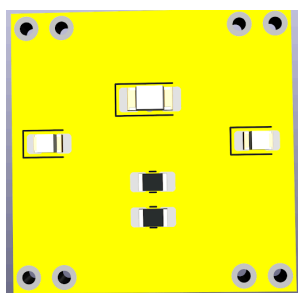
# COMMUNITY MINIBADGE

## AI Community Minibadge

Designed By: Jup1t3r

Would you like to play a game? Come to the AI Community for gamified challenges or get hands-on with some of the latest AI tech available including Chat GPT 4o, Claude 3.5, and Dall-e, Midjourney, and many other ground-breaking models.

BACK



DIFFICULTY:

**INTERMEDIATE**

HOW DO I GET ONE?

Come visit our community and participate!

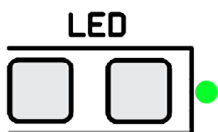
RARITY:

**RARE**

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the 0805 LED(s) first, using the single-pad method for hand soldering.
- Solder the 1206 LED for the eye reversed, so the led faces the hole.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

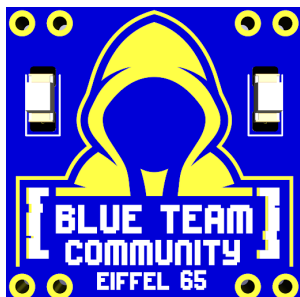
BOARD/LED TYPE:



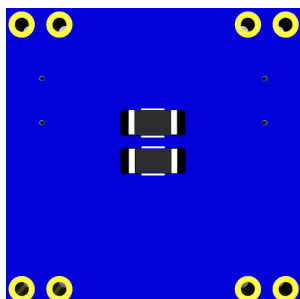
PARTS USED:

1x1206 LED  
2x0805 LEDs  
2x0805 RESISTORS  
FR4 PCB  
2-Pin Pin Headers

FRONT



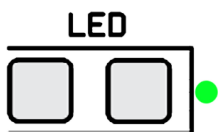
BACK



#### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



# COMMUNITY MINIBADGE

## Eiffel65 Blue Team Community Minibadge

Designed By: Jup1t3r

Eiffel65 is a blue team (defensive security) community. In this shade of Blue we'll entertain the topics of Threat Intelligence, Threat Hunting, Incident Response, and Forensics. You can expect to get a taste of the day to day responsibilities, duties, and tools in these areas.

DIFFICULTY:

**BEGINNER**

RARITY:

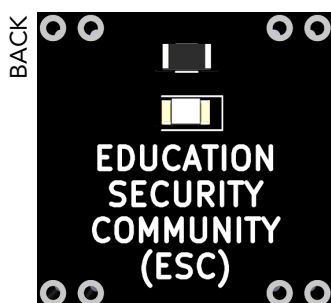
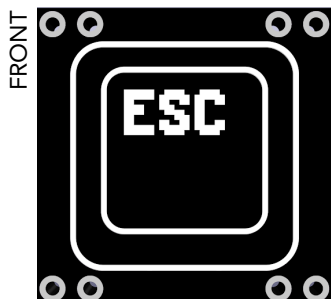
**UNCOMMON**

HOW DO I GET ONE?

Come and participate in our community.

PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers



# COMMUNITY MINIBADGE

## Education Security Community Minibadge (ESC)

Designed By: Jup1t3r

Our community will focus on the security needs and collaboration that is helpful for our K12, higher education and library educational communities. Presentations, walk-ups and hands-on workshops will focus on open discussions and real-world cybersecurity experiences in the education environment.

DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

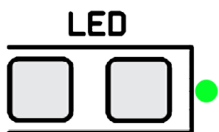
HOW DO I GET ONE?

Come learn how we defend against, and educate student "hackers" and other highly important educational organizations cybersecurity topics.

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

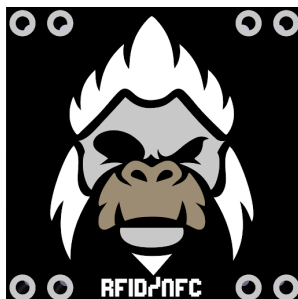
BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



# COMMUNITY MINIBADGE

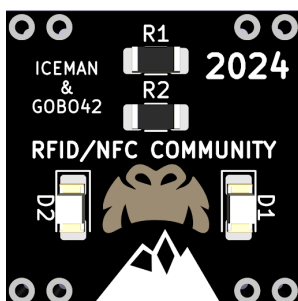
## RFID Community Minibadge

Designed By: Jup1t3r

Come and visit our community to discover how short range wireless communication through RFID works, and how you can take advantage of it, or secure it.

We can help you explore the various tools and techniques that can be used to read/store/replay/sniff/scan/bruteforce RFID systems.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Come and participate in our community!

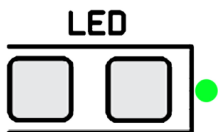
RARITY:

**RARE**

### ASSEMBLY INSTRUCTIONS:

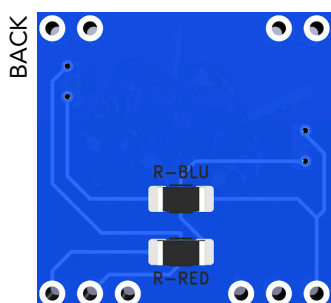
- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers



# COMMUNITY MINIBADGE

## Lockpick Community Minibadge

Designed By: Jup1t3r

"Lock Picking is a security "right of passage". Your journey begins here!

Whether you are new or experienced with lock picking, the Lock Picking Community is a must stop. This is a great skill to help you learn about physical security and that everything has vulnerabilities. We will have lock picking instructions, challenges, and plenty of practice time for you to learn and develop your skills. "

DIFFICULTY:

**INTERMEDIATE**

RARITY:

**COMMON**

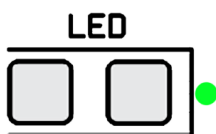
HOW DO I GET ONE?

Come and Level up in the lockpicking community. As you Level up your skills, this badge has replaceable belts that will take you thorough the lockpick belt system. See how far you can level up while your at the CON!

### ASSEMBLY INSTRUCTIONS:

- Solder the LEDs first, using the single-pad method for hand soldering.
- Make sure to solder the LEDS in the indicated spots on the board.
- Solder the resistor using the single-pad method for hand soldering.
- Solder the Pin Headers to the Badge in the 4 corners only.
- The additional 2 center pins are for belts you earn along the way.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers



FRONT



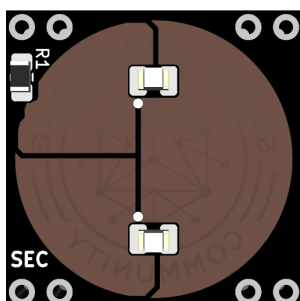
# COMMUNITY MINIBADGE

## Social Engineering Community Minibadge

Designed By: Jup1t3r

Social engineering community is here for the first time at SAITNCON. Come test your social engineering skills!

BACK



DIFFICULTY:  
**INTERMEDIATE**

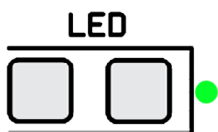
RARITY:  
**COMMON**

HOW DO I GET ONE?  
Come and visit our community!

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



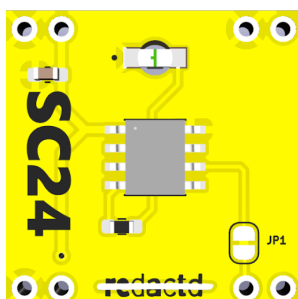
PARTS USED:

0805 LED  
0805 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



BACK



# COMMUNITY MINIBADGE

## Ham Radio Community Minibadge

Designed By: Redacted, RAY-MAN

Ham Radio has been considered to be the original group of hackers, launching before computers, integrated circuits, and even the transistor! Hams of all generations have a hacker mindset, solving problems their own way, regardless of what the manual has to say. Continuing this pioneer spirit, the Ham Radio Community is here to support advancement of the hobby with a cybersecurity slant.

DIFFICULTY:

**INTERMEDIATE**

RARITY:

**UNCOMMON**

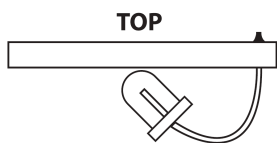
HOW DO I GET ONE?

Come and visit our community and tell us your handle!

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



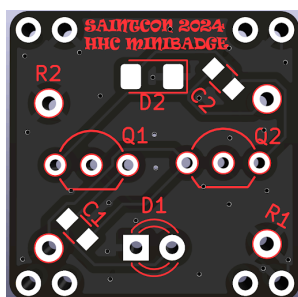
PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



BACK



ASSEMBLY INSTRUCTIONS:

<https://youtu.be/sR8GluKkJxs>

# COMMUNITY MINIBADGE

## 2024 Hardware Hacking Community MiniBadge

Designed By: RuShan

HHC brings you a new minibadge that brings back some of the puzzle minibadge dynamics in an easier project that also teaches you how to solder. The circuit is a dual transistor flashing circuit to alternate the through hole led with the smd led. This is the minibadge HHC will hand out and use to teach soldering as well. It does have two PCBs that stack to make for a nice art piece.

DIFFICULTY:

INTERMEDIATE

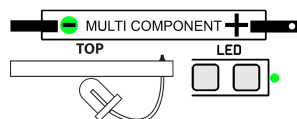
HOW DO I GET ONE?

HHC booth and the learn to solder class

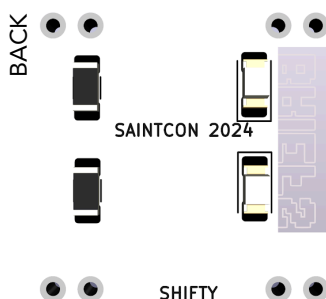
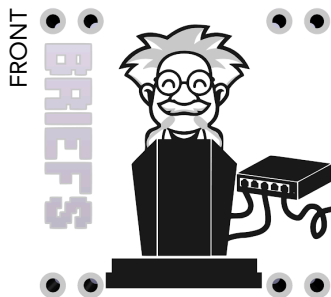
RARIETY:

COMMON

BOARD/LED TYPE:



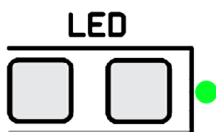
PARTS USED:



#### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

#### BOARD/LED TYPE:



# COMMUNITY MINIBADGE

## Briefs Community Minibadge

Designed By: SHIFTY

Briefs is your chance to speak in front of your peers. Casual, small room environment, on any topic you that interests you, and you would like to share with others. A fun project you've dabbled in, that was a wild success, or crash and burn failure. But what did you learn from the experience that others can build on, or give advice. Come share. The only caveat, the talk is 10 minutes or less.

DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

HOW DO I GET ONE?

Sign up and give a presentation. 10 Minutes or less.

#### PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



# COMMUNITY MINIBADGE

## Space Community Minibadge

Designed By: SHIFTY

The space community is an experience that is out of this world. You'll delve into the cutting-edge technologies powering satellites, communication networks, and rockets that fuel space exploration. As space becomes increasingly interwoven with our terrestrial networks, this community is at the forefront of ensuring the cybersecurity of these critical systems.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Come and participate in our community.

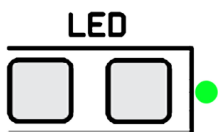
RARITY:

**UNCOMMON**

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

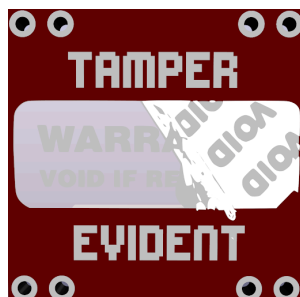
BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



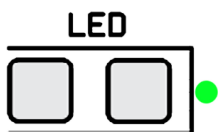
BACK



#### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

#### BOARD/LED TYPE:



# COMMUNITY MINIBADGE

## Tamper Evident Community Minibadge

Designed By: SHIFTY

If a container or object is "Tamper Evident" it is designed to make it obvious if someone has opened or modified it. Tamper evident seals, and devices we rely on are like any other security control, they have vulnerabilities.

The Tamper Evident community is all about bypassing these security devices without leaving any physical proof behind. This involves using heat, chemicals, brute force, and a keen eye for imperfections.

DIFFICULTY:

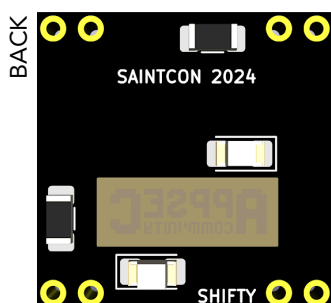
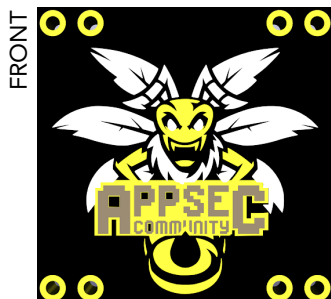
**BEGINNER**

RARITY:

**UNCOMMON**

HOW DO I GET ONE?

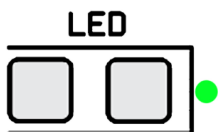
Come visit our community.



#### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

#### BOARD/LED TYPE:



# COMMUNITY MINIBADGE

## APPSEC Community Minibadge

Designed By: SHIFTY

The AppSec community is back with more tools, more content, and more challenges!

We will guide attendees in the finding and fixing vulnerabilities, through manual processes and use of SAST, DAST, and SCA tools. Sample vulnerable repositories will be provided for attendees to learn and practice the use of these tools.

DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

HOW DO I GET ONE?

Stop by our community to get one of these!  
Make sure to jump in on the APPSEC  
Challenge to get both of our minibadges.

#### PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



# COMMUNITY MINIBADGE

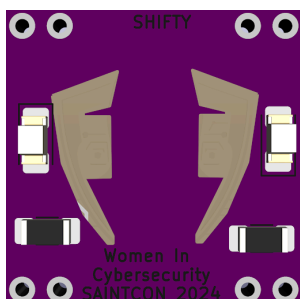
## Women In Cybersecurity - Advocates

Designed By: SHIFTY

The WiC Advocates Community is geared towards providing:

Support and community for people of all genders in cybersecurity who recognize that gender inequality and issues exist within cybersecurity and want to support change.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

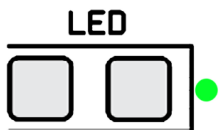
HOW DO I GET ONE?

Stop by, pick up a badge and get career advice from WiC Advocates within the industry for others looking to move up and for those who wish to get started. There will be resume reviews, 1:1 career advice with industry experts, headshots and more!

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers



FRONT



# COMMUNITY MINIBADGE

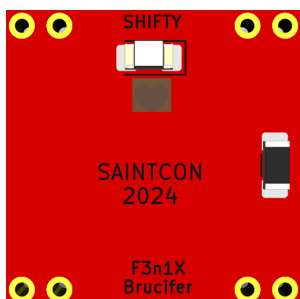
## Healthcare Hacking Community Minibadge

Designed By: SHIFTY

Health Care devices need to be hacked too. Join us!

The Health Care Hacking Community is a location for conference attendees to gather to learn and share information on the state of health care cybersecurity and how it intersects with personal health.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

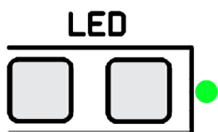
HOW DO I GET ONE?

Come visit our community and Hack various healthcare devices.

### ASSEMBLY INSTRUCTIONS:

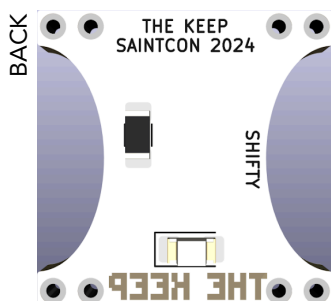
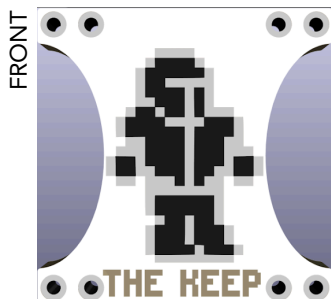
- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

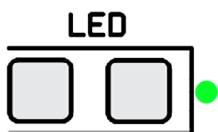


#### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the Pin-headers.

Throughout your quest you may get pieces of armor or weapons that solder to the sides of your badge.

#### BOARD/LED TYPE:



#### PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

# COMMUNITY MINIBADGE

## "THE KEEP" Community Minibadge

Designed By: SHIFTY

Your quest begins here! Hone your hacking skills and put them to the test. The Keep is a fun and educational environment where you can both learn the fundamentals of hacking and test your abilities in a realistic environment. Whether you are a beginner or an expert hacker, there are opportunities for you to learn new things and challenge yourself.

DIFFICULTY:

**INTERMEDIATE**

RARITY:

**COMMON**

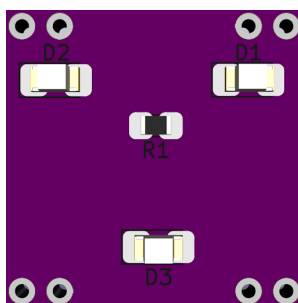
HOW DO I GET ONE?

Bring a laptop, and come participate in "THE KEEP".

FRONT



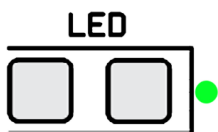
BACK



## ASSEMBLY INSTRUCTIONS:

1206 LED  
0805 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

BOARD/LED TYPE:



# COMMUNITY MINIBADGE

## ID/IOT Community Minibadge

Designed By: Spectre

Industrial Devices and IoT together make an interesting challenge you should explore.  
The IDIOTs are BACK!

Remember last year? When you heard about the fragility of control systems and the cyber security problems they face? Whether the threats are from vulnerable PLCs to protocols that lack authentication, or proprietary protocols where there is little to no documentation, these systems are becoming more and more notorious for their security vulnerabilities.

DIFFICULTY:

### BEGINNER

RARITY:

### RARE

HOW DO I GET ONE?

Come and participate in our community.

PARTS USED:

1206 LED  
0805 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



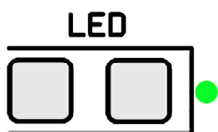
BACK



#### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



# EVENT MINIBADGE

## Saintcon Golf Club

Designed By: Jup1t3r

Come experience the ultimate mini-golf experience.

Where else will you be able to play mini-golf at a conference? Come play a round of mini-golf that weaves its way around the conference itself.

DIFFICULTY:

### BEGINNER

RARITY:

### RARE

HOW DO I GET ONE?

Everything you need to know...

- We will provide golf clubs and foam training balls.
- Do not bring your own golf balls and
- Keep it safe (No Happy Gilmore moves)
  - Meet at the lounge.

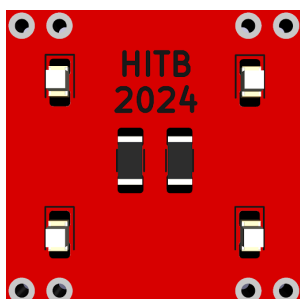
PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



BACK



# EVENT MINIBADGE

## Hack in the Box Minibadge

Designed By: Jup1t3r

Evening hacker space, near the event venue, which opens after the main speaking tracks and conference have closed for the day. Offers some accommodations for soldering, presentations, networking, and contest collaboration.

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

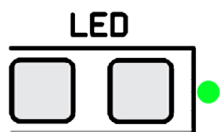
HOW DO I GET ONE?

Come hang out and claim a minibadge!

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



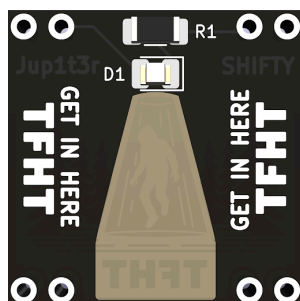
PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



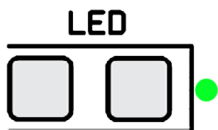
BACK



## ASSEMBLY INSTRUCTIONS:

Were not certain this badge exists.

BOARD/LED TYPE:



# EVENT MINIBADGE

## TFHT - Tin Foil Hat Talks Minibadge

Designed By: Jup1t3r

There is significant evidence that the TFHT Minibadge does exist, and the conspiracy is not a conspiracy, we have proof that with the Minibadge is actually a tracker and serves to augment all fields of mind control, making it the most dangerous element of this supposed "security conference".

DIFFICULTY:

### BEGINNER

RARITY:

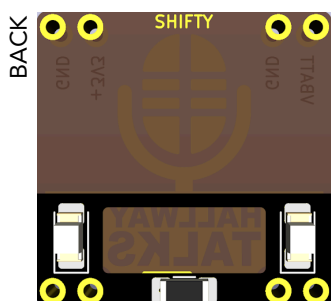
### RARE

HOW DO I GET ONE?

There are reports the Klippy used this technology to gain control. Further information on this undisclosed event can be found.....54  
68 65 20 74 72 75 74 68 20 69 73 20 6F 75 74  
20 74 68 65 72 65 0A

PARTS USED:

Parts are not from here.



# EVENT MINIBADGE

## Hallway Talks Minibadge

Designed By: Jup1t3r

Hallway talks were started to give insight into all the incredible effort that makes SAINTCON a success for all involved. We post videos of interviews and behind the scenes content of all things Saintcon!

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

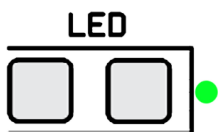
HOW DO I GET ONE?

Find us in the hallways, and ask us for one of these neat badges... Because... We want to talk!

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



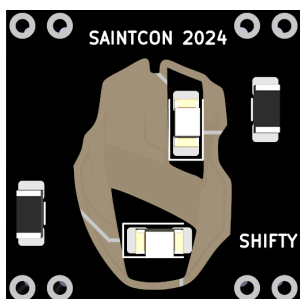
PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



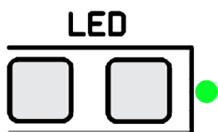
BACK



#### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



# EVENT MINIBADGE

## Lan Party Event Minibadge

Designed By: SHIFTY

We'll have a variety of games available, including StarCraft, Cursed Halo, Battlefield 1942, Minecraft, Overwatch 2, League of Legends, Rocket League, PayDay 2, and others. And if there's a particular game you'd like to play, let us know during the LAN Party and we'll make a way for us to vote on new games.

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

HOW DO I GET ONE?

Come get your LAN on, and experience this classic event.

LAN Party – Bring your rigs!

PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers



FRONT



# CONTEST MINIBADGE

## Fox Hunt Challenge Badge

Designed By: bfcoder

Beacons will be hidden throughout SAINTCON. Each Beacon resides on a frequency and will be transmitting morse code. It is up to you to find them using Ham Radio, Software Defined Radio (SDR) or other means.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Come find us and participate in the event.

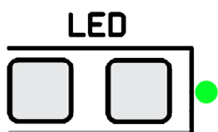
RARITY:

**RARE**

### ASSEMBLY INSTRUCTIONS:

- Solder the LEDs first, using the single-pad method for hand soldering.
- Solder the resistor using the single-pad method for hand soldering.
- Solder the Pin Headers to the Badge.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



# CONTEST MINIBADGE

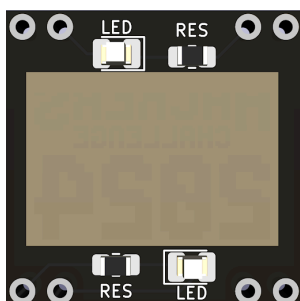
## Hackers Challenge Contest Minibadge

Designed By: Jup1t3r

Hackers Challenge is the premiere challenge of SAINTCON.

The Hackers Challenge contest is an event held annually during the SAINTCON conference to challenge your skills as a security professional by presenting players with technology, logical, and security related puzzles and challenges.

BACK



DIFFICULTY:

**INTERMEDIATE**

RARITY:

**COMMON**

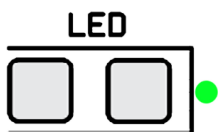
HOW DO I GET ONE?

Participate and gain one of these amazing Hackers Challenge 2024 Minibadges.

### ASSEMBLY INSTRUCTIONS:

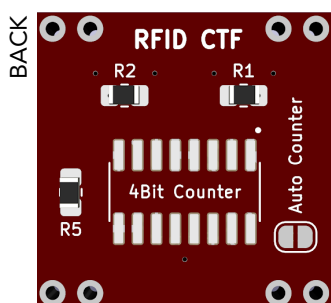
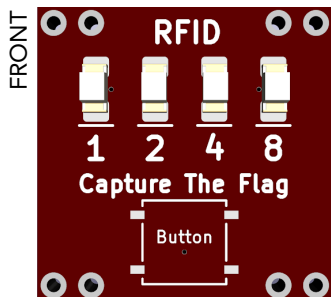
- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

0805 LED  
0805 RESISTOR  
FR4 PCB  
2-Pin Pin Headers



# CONTEST MINIBADGE

## RFID CTF Minibadge

Designed By: Jup1t3r

Immediately start from nothing as you play through a CTF that steps you through challenges geared from a beginner with zero knowledge, to a more advanced user.

DIFFICULTY:

**ADVANCED**

RARITY:

**RARE**

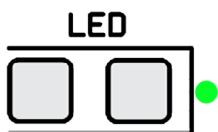
HOW DO I GET ONE?

Come and participate in our CTF and explore the exciting world of RFID.

### ASSEMBLY INSTRUCTIONS:

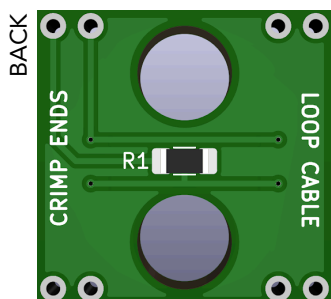
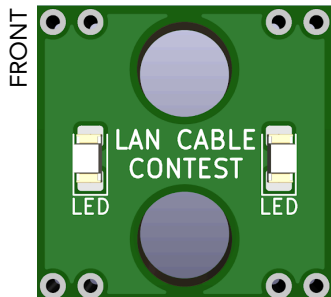
- Begin on the back side first.
  - Solder the LED(s) first, using the single-pad method for hand soldering.
  - Solder on the chip carefully using the drag method to minimize pin bridging.
  - Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the button on the top.
- Solder the 4x 2-Position headers. "

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers  
Momentary Button  
4Bit Counter



# CONTEST MINIBADGE

## Lan Cable Contest Minibadge

Designed By: Jup1t3r

Build a LAN Cable, as fast as you can!

Have you ever built your own network cable? Maybe you're a cable-making veteran and never want to crimp a network cable again... or maybe you've never even tried. Whatever you're inclination you can at least try it once! Get ready to unleash or learn mad network cable crimping skills and test your RJ-45 crimping prowess in the LAN cable contest!

DIFFICULTY:

**ADVANCED**

RARITY:

**RARE**

HOW DO I GET ONE?

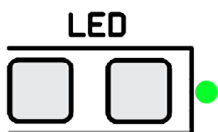
Give the lan cable contest a try.

### ASSEMBLY INSTRUCTIONS:

- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

Then hone your cable making skills by puttin an end on a cable, looping it through the minibadge and then putting the other end on, making the shortest loop possible!

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



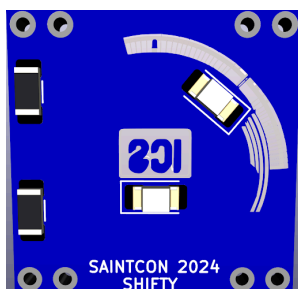
# CONTEST MINIBADGE

## ICS Escape Challenge (Escaped)

Designed By: SHFITY

New this year is the ICS (Industrial Control System) Challenge! Test your skills in this escape room style Contest.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

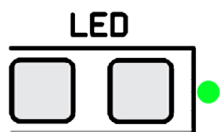
HOW DO I GET ONE?

Get one of the coveted ESCAPED Minibadges by escaping the room. Or get one of the FAILED badges, by .....FAILING!!!

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

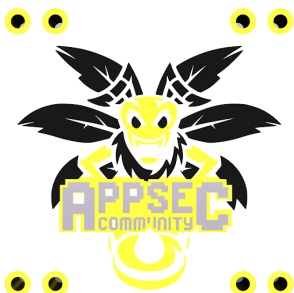
BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



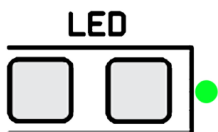
BACK



## ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



# CONTEST MINIBADGE

## APPSEC Challenge Minibadge

Designed By: SHIFTY

Do you have what it takes to find and fix vulnerabilities in source code? Compete against other attendees to be the first to fix all vulnerabilities in a web application. Clone the repo, find vulnerabilities, fix them, and submit your code to get a score. Not sure how to get started? Visit the AppSec community and learn how to use tools that will do the dirty work of finding vulnerabilities for you.

DIFFICULTY:

### BEGINNER

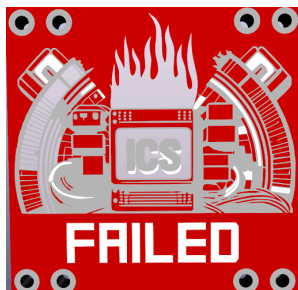
RARITY:

### UNCOMMON

HOW DO I GET ONE?

Find and Fix vulnerabilities, it's our biggest challenge.

FRONT



# CONTEST MINIBADGE

## ICS Escape Challenge (Failed)

Designed By: SHIFTY

New this year is the ICS (Industrial Control System) Challenge! Test your skills in this escape room style Contest.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

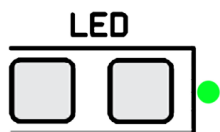
HOW DO I GET ONE?

Get one of the coveted ESCAPED Minibadges by escaping the room. Or get one of the FAILED badges, by .....FAILING!!!

### ASSEMBLY INSTRUCTIONS:

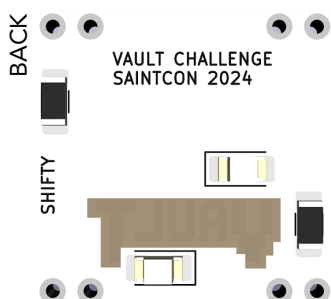
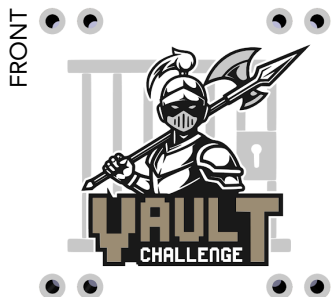
- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers



# CONTEST MINIBADGE

## Vault Challenge Minibadge

Designed By: SHIFTY

Welcome to The Vault, the premier physical penetration test challenge at SAINTCON! If you have a knack for bypassing doors, picking locks and subverting security systems, then this is the ultimate challenge for you.

DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

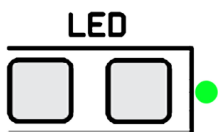
HOW DO I GET ONE?

The Vault's open structure allows multiple teams of competitors to engage in the challenge simultaneously. Come and participate to get one of these.

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

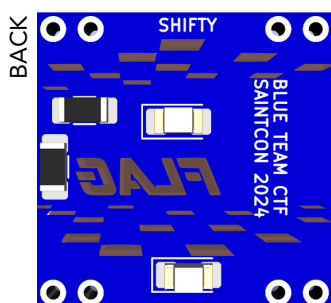
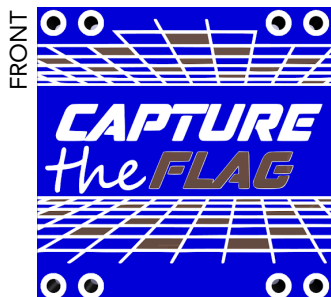
BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers





# CONTEST MINIBADGE

## CTF Blue Team Style Minibadge

Designed By: SHIFTY

Welcome to the Capture the Flag game designed to hone your skills on the blue team side of cybersecurity. This challenge is crafted to test your proficiency in areas such as digital forensics, network forensics, malware analysis, hashing/encryption, threat intelligence, OSINT, scripting, and more! Whether you're a seasoned cybersecurity professional or a curious beginner, this game promises to engage and challenge all participants.

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

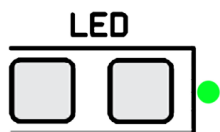
HOW DO I GET ONE?

Come and unravel the who, what, when, where, and why of a cyber-attack.

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



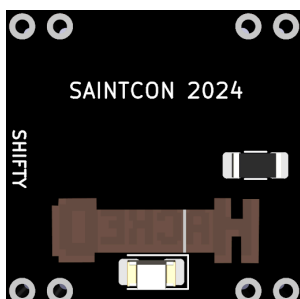
# CONTEST MINIBADGE

## So You've Been Hacked? Contest Minibadge

Designed By: SHIFTY

Welcome to So You've Been Hacked?, a SAINTCON's blue team contest. In this unique challenge, you will step into the shoes of a corporate security team facing a nightmare scenario: a critical alert indicating a critical developer's laptop has been compromised during routine development work. With the clock ticking and the pressure on, your mission is to navigate through the incident response process to halt the breach.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Come and participate in this contest!

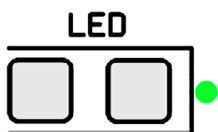
RARITY:

**RARE**

### ASSEMBLY INSTRUCTIONS:

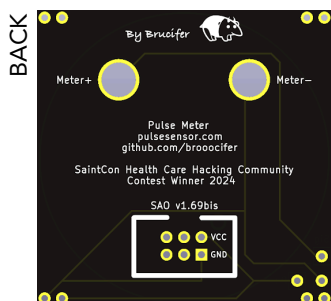
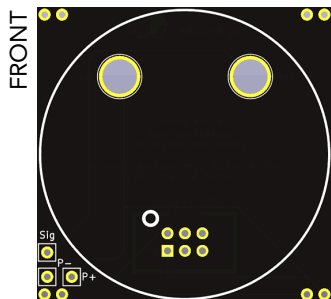
- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers



# AWARD MINIBADGE

## Health Care Hacking Community Prize Badge

Designed By: Brucifer

A 2x2-sized mini-badge with an analog meter and a pulse sensor, to measure your pulse from a finger. The pulse sensor (<https://pulsesensor.com>) can also be used with an Arduino. Can also be connected to a DEFCON badge via SAO.

DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Compete in the Health Care Hacking Community contest, and earn a Top 20 score.

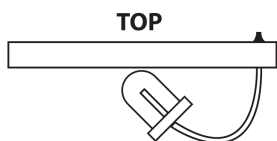
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

- Solder SAO socket to back of PCB, lining up socket notch with silkscreen line & gap
- Solder Male header pins to back of PCB
- Solder Female header sockets to front of PCB
- Bolt SO-45 to front of PCB. One flat washer per meter bolt on front of PCB, one flat washer, lock washer, and nut per meter bolt on back of PCB
- Snap pulse sensor into sensor case
- Connect pulse sensor to badge with header wires, Sig -> S, P+ -> +, P- -> -
- Plug badge into SaintCon badge, mini-badge extender, 10x10, (via lower right pins) or DefCon badge (via SAO) to power up

BOARD/LED TYPE:



PARTS USED:

Full parts list here:

<https://github.com/broocifer/SaintCon-2024/tree/main/HCHCPrizeBadge>

FRONT



# PERSONAL MINIBADGE

## Wonka Basic

Designed By: 1R15H

Inspired by the Wonka film, trade for a black bag with a 1 in 15 chance of getting the golden ticket!

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

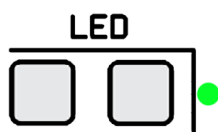
HOW DO I GET ONE?

Trade with me. Golden Tickets and Wonka badges or mixed together in opaque baggies. 1 in 15 chance of winning the Golden Ticket.

### ASSEMBLY INSTRUCTIONS:

Solder on the resistor and LED.

BOARD/LED TYPE:



PARTS USED:

PART OF SET:

Wonka - 1 of 2

FRONT



# PERSONAL MINIBADGE

## Wonka Golden Ticket

Designed By: 1R15H

Inspired by the Wonka film, trade for a black bag with a 1 in 15 chance of getting the golden ticket!

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

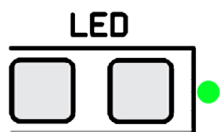
HOW DO I GET ONE?

Trade with me. Golden Tickets and Wonka badges or mixed together in opaque baggies. 1 in 15 chance of winning the Golden Ticket.

### ASSEMBLY INSTRUCTIONS:

Solder on resistor and LED.

BOARD/LED TYPE:

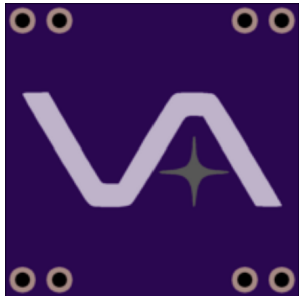


PARTS USED:

PART OF SET:

Wonka - 2 of 2

FRONT

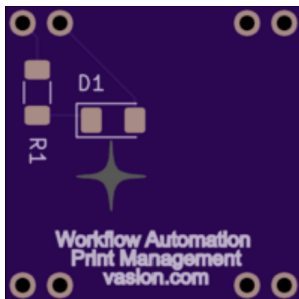


# PERSONAL MINIBADGE

Vasion (PrinterLogic)

Designed By: 1R15H  
Vasion spark!

BACK



DIFFICULTY:  
**BEGINNER**

RARITY:  
**SUPER RARE**

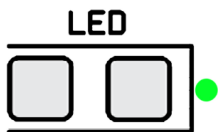
HOW DO I GET ONE?

Come find me and tell me any horror stories  
you have about print servers.

## ASSEMBLY INSTRUCTIONS:

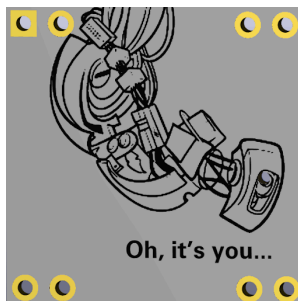
Solder on the resistor and LED.

BOARD/LED TYPE:



PARTS USED:

FRONT



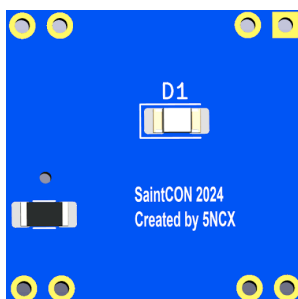
# PERSONAL MINIBADGE

## Glados

Designed By: 5NCX

This Glados badge is an homage to the Portal games, and features a cut out so the orange LED on the back will shine through Glados' "eye" and bring back the nostalgia! It's an easy build, and I'll provide the LED, pins, and resistor necessary for the build.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

I only have a few so they're only available to be traded with cool badges if you see me.

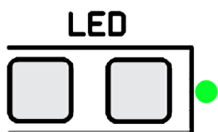
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

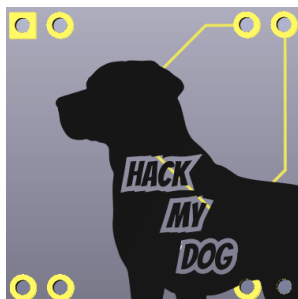
It's a simple build using only an LED and a resistor on the back. Everything is labeled on the back, and all you'd need is a soldering kit!

BOARD/LED TYPE:

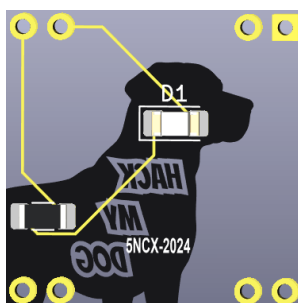


PARTS USED:

FRONT



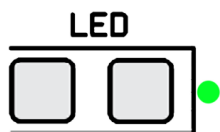
BACK



#### ASSEMBLY INSTRUCTIONS:

You'll need an LED, a resistor, and some pins, which I'll provide. Each component is labeled on the back of the badge, so you'll just solder them on the board, and that's it!

BOARD/LED TYPE:



# PERSONAL MINIBADGE

## Hack My Dog

Designed By: 5NCX

I will have my service dog with me and decided to start a fun side challenge! More details about the challenge can be found on Discord on Monday before the conference starts. The challenge will start on Tuesday, at 1:30 when I'm presenting. #He's still a service dog responsible for helping me, so please ask before petting him and wait so you don't startle us. We won't always be social, so we appreciate your understanding :)

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

HOW DO I GET ONE?

You can earn one between Tuesday and Friday by solving any of the "Hack My Dog" challenges!

PARTS USED:

1206 SMD LED, 1206 SMD Resistor, and some standard pins



FRONT



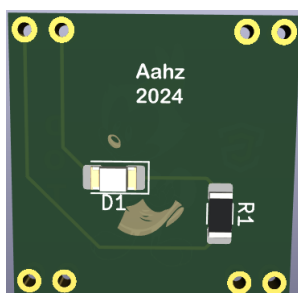
# PERSONAL MINIBADGE

## Dot

Designed By: Aahz

I have always loved Animaniacs, and thought they would make a fun minibadge.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

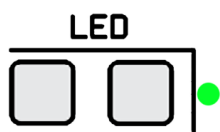
HOW DO I GET ONE?

Trade with me, or just ask for one.

### ASSEMBLY INSTRUCTIONS:

I kept these basic. Just 1 surface mount LED and Resistor.

BOARD/LED TYPE:



PARTS USED:

PART OF SET:

Animaniacs - 3 of  
3

FRONT



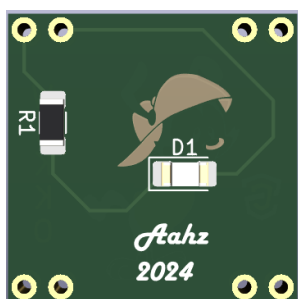
# PERSONAL MINIBADGE

## Wakko

Designed By: Aahz

I have always loved Animaniacs, and thought they would make a fun minibadge.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

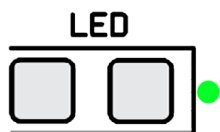
HOW DO I GET ONE?

Trade with me, or just ask for one.

### ASSEMBLY INSTRUCTIONS:

I kept these basic. Just 1 surface mount LED and Resistor.

BOARD/LED TYPE:



PARTS USED:

PART OF SET:

Animaniacs - 2 of  
3

FRONT



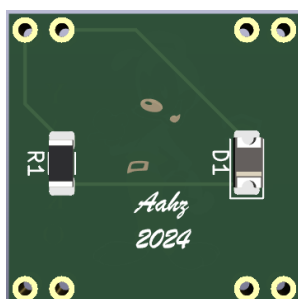
# PERSONAL MINIBADGE

## Yakko

Designed By: Aahz

I have always loved Animaniacs, and thought they would make a fun minibadge.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

HOW DO I GET ONE?

Trade with me, or just ask for one.

### ASSEMBLY INSTRUCTIONS:

I kept these basic. Just 1 surface mount LED and Resistor.

BOARD/LED TYPE:

**LED**



PARTS USED:

PART OF SET:

Animaniacs - 1 of  
3

FRONT



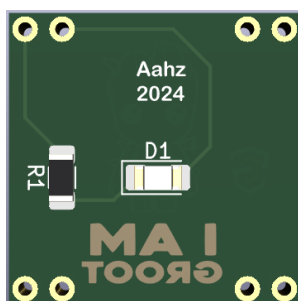
# PERSONAL MINIBADGE

## Groot

Designed By: Aahz

This was my first attempt at a minibadge. I was hoping to have it ready for last year, but it did not make it.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

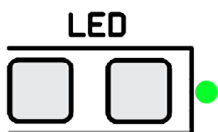
HOW DO I GET ONE?

Trade with me, or just ask for one.

### ASSEMBLY INSTRUCTIONS:

I kept these basic. Just 1 surface mount LED and Resistor.

BOARD/LED TYPE:



PARTS USED:

FRONT



# PERSONAL MINIBADGE

## Mountain Dude

Designed By: Aahz

I saw this on a shirt, and said it had to become a minibadge.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

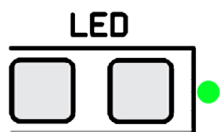
HOW DO I GET ONE?

Trade with me, or just ask for one.

### ASSEMBLY INSTRUCTIONS:

I kept these basic. Just 1 surface mount LED and Resistor.

BOARD/LED TYPE:

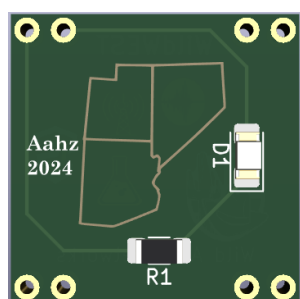


PARTS USED:

FRONT



BACK



#### ASSEMBLY INSTRUCTIONS:

I kept these basic. Just 1 surface mount LED and Resistor.

# PERSONAL MINIBADGE

## WILDWest

Designed By: Aahz

Our organization is representing Utah in a joint project with Arizona and Nevada to support the science community in remote locations. Providing network solutions for remote locations that support science. Examples we are looking at include Seismic, Wildfire monitoring and the creation of geothermal wells. "Wild-Area-Networks"

DIFFICULTY:

**BEGINNER**

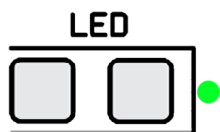
RARITY:

**RARE**

HOW DO I GET ONE?

Trade with me, or just ask for one.

BOARD/LED TYPE:



PARTS USED:

FRONT



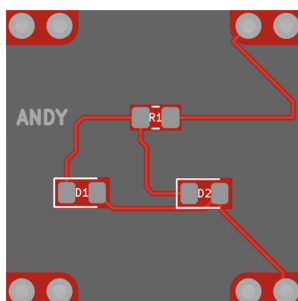
# PERSONAL MINIBADGE

## ID10T Error Minibadge

Designed By: Andy T Bandy

ID10T: What is it & How to Fix It... Well... You cant.

BACK



DIFFICULTY:

**INTERMEDIATE**

RARITY:

**RARE**

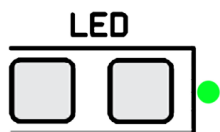
HOW DO I GET ONE?

Go find Andy and trade or barter for one of these.

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the Pin-headers.

BOARD/LED TYPE:



PARTS USED:

FRONT



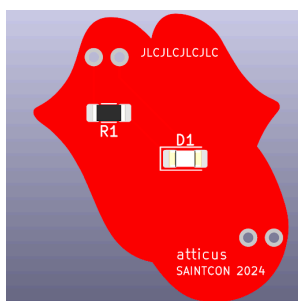
# PERSONAL MINIBADGE

## Rolling Stones

Designed By: atticus

This is the famous tongue logo for The Rolling Stones, now in mini badge form.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me.

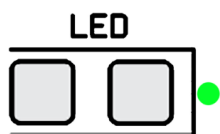
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

Solder the LEDs first, using the single-pad method for hand soldering. Solder the resistor using the single-pad method for hand soldering. Solder the Pin Headers to the Badge.

BOARD/LED TYPE:



PARTS USED:

1206 LED (1 red),  
1206 RESISTOR (1 - 75 OHM),  
2-Pin Pin Headers (2),  
FR-4 PCB Board (1)



FRONT



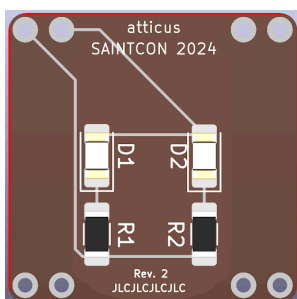
# PERSONAL MINIBADGE

## Coca-Cola

Designed By: atticus

Coca-Cola offers a unique and refreshing taste that perfectly balances sweetness and carbonation, making it an enjoyable drink for any occasion. Its rich history and iconic branding evoke a sense of nostalgia and tradition, connecting generations and creating lasting memories.

BACK



DIFFICULTY:

### BEGINNER

RARITY:

### SUPER RARE

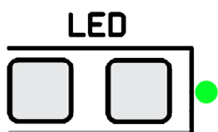
HOW DO I GET ONE?

Trade with me.

### ASSEMBLY INSTRUCTIONS:

Solder the LEDs first, using the single-pad method for hand soldering. Solder the resistor using the single-pad method for hand soldering. Solder the Pin Headers to the Badge.

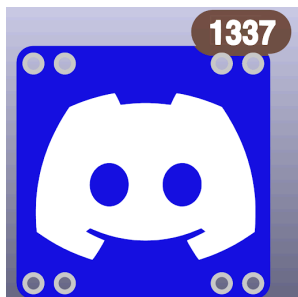
BOARD/LED TYPE:



PARTS USED:

1206 LED (2 White)  
1206 RESISTOR (2 - 75 OHM)  
2-Pin Pin Headers (4)  
FR-4 PCB Board (1)

FRONT



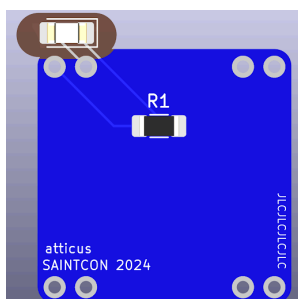
# PERSONAL MINIBADGE

## Discord

Designed By: atticus

Keeping up with Discord notifications can be challenging, here is a mini badge to remind you to look at the SAINTCON Discord.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me.

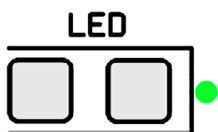
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

Solder the LEDs first, using the single-pad method for hand soldering. Solder the resistor using the single-pad method for hand soldering. Solder the Pin Headers to the Badge.

BOARD/LED TYPE:



PARTS USED:

1206 LED (1 red),  
1206 RESISTOR (1 - 75 OHM),  
2-Pin Pin Headers (4),  
FR-4 PCB Board (1)

FRONT



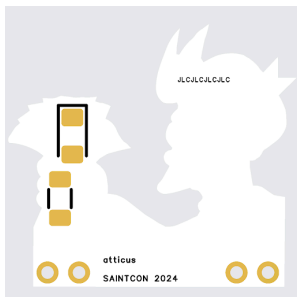
# PERSONAL MINIBADGE

Shut up and take my money!

Designed By: atticus

Inspired by Futurama, shut up and take my money!

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me.

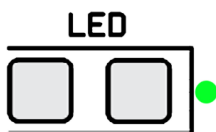
RARITY:

**SUPER RARE**

## ASSEMBLY INSTRUCTIONS:

Solder the LEDs first, using the single-pad method for hand soldering. Solder the resistor using the single-pad method for hand soldering. Solder the Pin Headers to the Badge.

BOARD/LED TYPE:



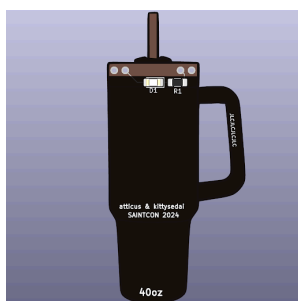
PARTS USED:

1206 LED (1 green),  
1206 RESISTOR (1 - 75 OHM),  
2-Pin Pin Headers (2),  
FR-4 PCB Board (1)

FRONT



BACK



# PERSONAL MINIBADGE

## 40oz Stanley Mug

Designed By: atticus & kittysedai

Everywhere you go, you carry this trusty companion that keeps your drinks ice-cold for hours or piping hot through the day. It's built like a tank, with a handle that makes it easy to grab and go. Whether you're on a hike, at the office, or just lounging at home, it's always by your side, ensuring you stay hydrated without any spills, thanks to its sturdy lid. The best part? It's got that classic, timeless look that turns heads and sparks conversations. This badge can be obtained in one of four colors, black or blue (get from atticus), white or purple (get from kittysedai).

DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with us.

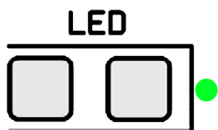
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

Solder the LEDs first, using the single-pad method for hand soldering. Solder the resistor using the single-pad method for hand soldering. Solder the Pin Headers to the Badge.

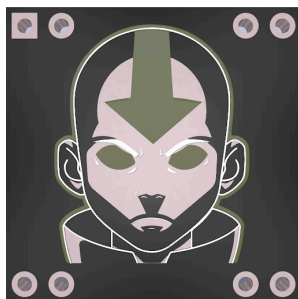
BOARD/LED TYPE:



PARTS USED:

1206 LED (1 white),  
1206 RESISTOR (1 - 75 OHM),  
2-Pin Pin Headers (2),  
FR-4 PCB Board (1 in either black, blue, white, or purple)

FRONT



# PERSONAL MINIBADGE

## Aang head

Designed By: bfcoder

I just think Avatar the last air bender is a great show. Wanted to do a neat glowing Aang head out of respect for the show.

BACK



DIFFICULTY:

INTERMEDIATE

HOW DO I GET ONE?

Trade with me or ask for one.

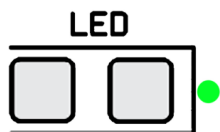
RARITY:

UNCOMMON

### ASSEMBLY INSTRUCTIONS:

Starting on the back, solder on the resistor in the top left. Next solder on the LED in the middle. The left side is negative. Flip it over and solder the header pins in place.

BOARD/LED TYPE:



PARTS USED:

FRONT



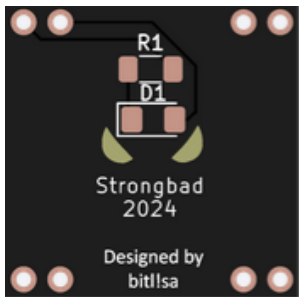
# PERSONAL MINIBADGE

## Strong Bad

Designed By: bit!sa

This is my first minibadge. Older geeks (like me) will recognize Strong Bad from 2001 as a flash video series found online.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

I'd love to trade.

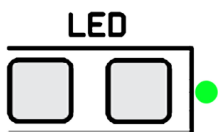
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

Solder the LED and resistor on the back of the minibadge

BOARD/LED TYPE:



PARTS USED:

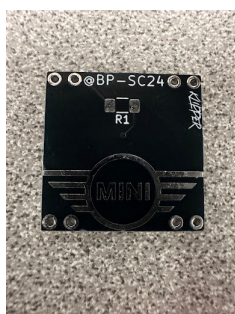
PART OF SET:

No

FRONT



BACK



# PERSONAL MINIBADGE

## BP GP

Designed By: BP

Minibadge depicting a Mini John Cooper Works GP. Been one of my favorite cars forever, and finally picked one up. Look for the real life version parked outside the con. Thanks to klipper for the quick design at the last minute.

DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

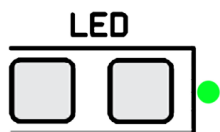
HOW DO I GET ONE?

Come find me and trade me. I'm on the badge team and will likely be running around somewhere.

### ASSEMBLY INSTRUCTIONS:

Solder the resistor and LEDs per the screenprint

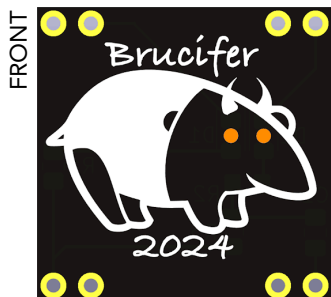
BOARD/LED TYPE:



PARTS USED:

PART OF SET:

BP Vehicles 1 of 3

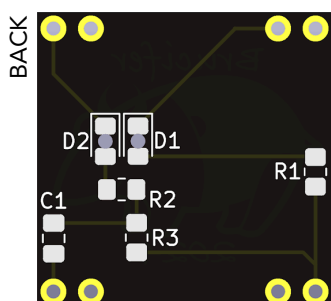


# PERSONAL MINIBADGE

## Brucifer 2024

Designed By: Brucifer

The winking tapir returns again this year as the "Dark Tapir". This year it uses a different RC delay circuit, but with smaller components than last year.



DIFFICULTY:

INTERMEDIATE

HOW DO I GET ONE?

Trade with me, or social engineer one from me.  
Find me at the Health Care Hacking  
Community.

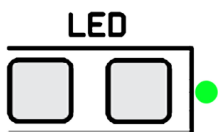
RARITY:

SUPER RARE

### ASSEMBLY INSTRUCTIONS:

- Solder the D1 and D2 amber LEDs upside down (so the LED shines through the holes toward the front), with the cathode toward the top of the mini-badge, using the single-pad method for hand soldering.
- Solder the R1 & R2 resistors (1K ohm, labelled "102"), using the single-pad method for hand soldering.
- Solder the R3 resistor (10K ohm, labelled "1002"), using the single-pad method for hand soldering.
- Solder the C1 capacitor, using the single-pad method for hand soldering.
- Solder the 4x 2-Position headers

BOARD/LED TYPE:

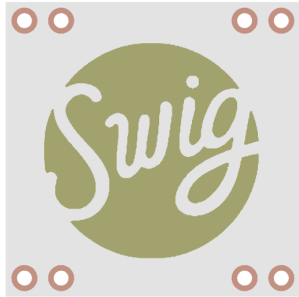


PARTS USED:

- (x2) LED Amber Diffused 0805 SMD <https://shorturl.at/EZhCy>
- (x2) Resistor SMD 1K OHM 0.5% 1/10W 0805 <https://shorturl.at/nFCTF>
- (x1) Resistor SMD 10K OHM 1% 1/8W 0805 <https://shorturl.at/dRcKk>
- (x1) Capacitor CER 22uF 4V X6S 0805 <https://shorturl.at/Pabnh>
- (x2) CONN Header VERT 4POS 2.54MM <https://shorturl.at/oOrkF>
- (x1) Brucifer 2024 PCB <https://jlcpcb.com>



FRONT

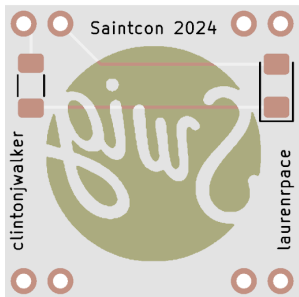


# PERSONAL MINIBADGE

## Swig

Designed By: clintonjwalker and laurenpace  
Adding sugar and cream to sodas since 2010.

BACK



DIFFICULTY:  
**BEGINNER**

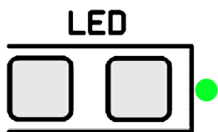
HOW DO I GET ONE?  
Trade.

RARITY:  
**UNCOMMON**

### ASSEMBLY INSTRUCTIONS:

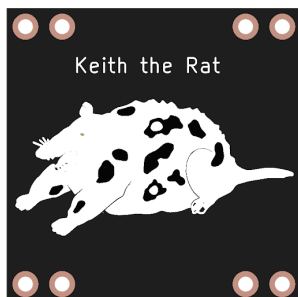
Use single pad method to solder on surface mount components.  
Attach 1206 SMD Resistor to the pads with the two lines.  
Attach Pink 1206 SMD LED to the pads with the box, green facing the inside of the box.

BOARD/LED TYPE:



PARTS USED:

FRONT



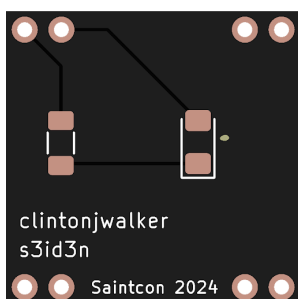
# PERSONAL MINIBADGE

## Keith the Rat

Designed By: clintonjwalker and s3id3n

Keith the Rat is the (un)official mascot for C++. He is a diseased rat whose hind leg is missing because it was blown off. No further elaboration. I love Keith.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade or just ask.

RARITY:

**UNCOMMON**

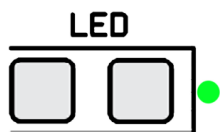
### ASSEMBLY INSTRUCTIONS:

Use single pad method to solder on surface mount components.

Attach 1206 SMD Resistor to the pads with the two lines.

Attach Red 1206 SMD LED to the pads with the box, green facing the inside of the box.

BOARD/LED TYPE:



PARTS USED:

FRONT



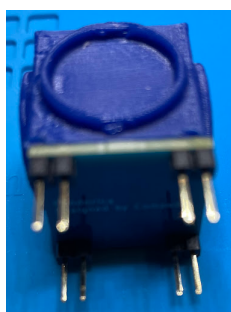
# PERSONAL MINIBADGE

## PanDorica

Designed By: CompuDoc

3d printed cover makes it look like the pandorica from Dr Who but simplified

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade or Ask me

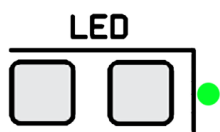
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

Badge instructions will be posted to GitHub <https://github.com/CompuDocUt/SaintConMinibadges>

BOARD/LED TYPE:

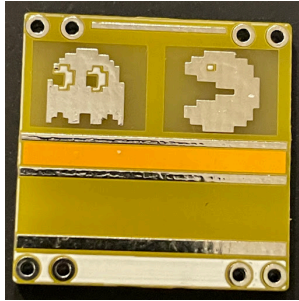


PARTS USED:

see Instructions on Github

<https://github.com/CompuDocUt/SaintConMinibadges>

FRONT



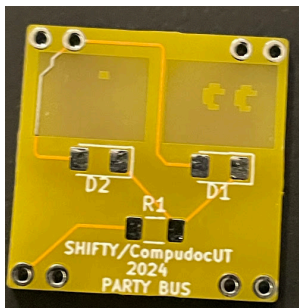
# PERSONAL MINIBADGE

## Hacker Party Bus section 4

Designed By: CompuDoc

Buss Full on strange creatures and at least on hacker parts 1-3 are released again but this is part 4

BACK



DIFFICULTY:  
**BEGINNER**

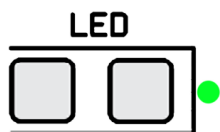
RARITY:  
**SUPER RARE**

HOW DO I GET ONE?  
Trade or Ask compudoc

ASSEMBLY INSTRUCTIONS:

<https://github.com/CompuDocUt/SaintConMinibadges>

BOARD/LED TYPE:



PARTS USED:

PART OF SET:

Set 4 of 4

FRONT



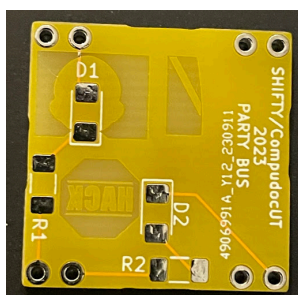
# PERSONAL MINIBADGE

## Hack Pary bus front

Designed By: CompuDoc & Shifty

<https://github.com/CompuDocUt/SaintConMinibadges>

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

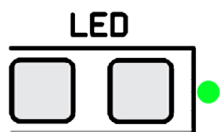
HOW DO I GET ONE?

Trade or Ask CompuDoc

ASSEMBLY INSTRUCTIONS:

<https://github.com/CompuDocUt/SaintConMinibadges>

BOARD/LED TYPE:



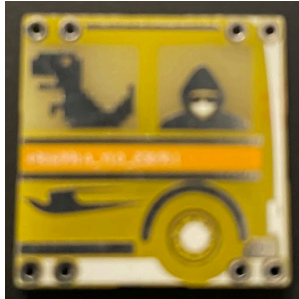
PARTS USED:

<https://github.com/CompuDocUt/SaintConMinibadges>

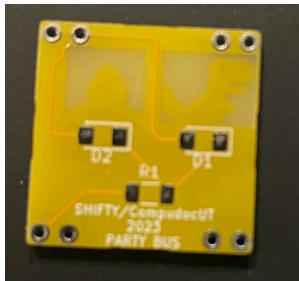
PART OF SET:

Set 1 of 4

FRONT



BACK



# PERSONAL MINIBADGE

## Hack Party Buss Back

Designed By: CompuDoc & Shifty

<https://github.com/CompuDocUt/SaintConMinibadges>

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

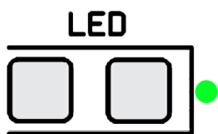
HOW DO I GET ONE?

Trade or Ask CompuDoc

### ASSEMBLY INSTRUCTIONS:

<https://github.com/CompuDocUt/SaintConMinibadges>

BOARD/LED TYPE:



PARTS USED:

<https://github.com/CompuDocUt/SaintConMinibadges>

PART OF SET:

Set 3 of 4

FRONT



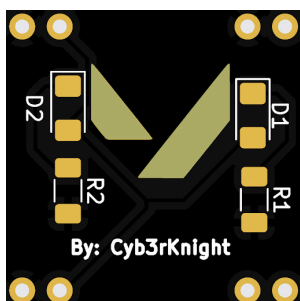
# PERSONAL MINIBADGE

## Valorant

Designed By: Cyb3rKnight

This is the first badge I have designed. I have a riot playing this FPS game with my eSports team and I like the logo a lot.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

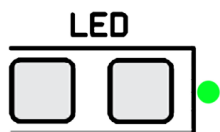
HOW DO I GET ONE?

Find Cyb3rKnight around the community area or at trading meetups and trade (or teach them something interesting).

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the two LEDs first, using the single-pad method for hand soldering. (Consider soldering the LEDs on their side or adding hot glue to make the badge shine brighter)
- Solder the two resistors using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers, with the artwork facing out.

BOARD/LED TYPE:

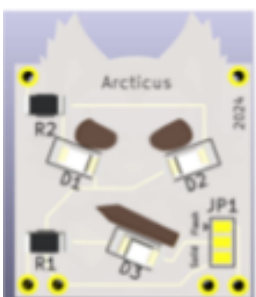


PARTS USED:

FRONT



BACK



# PERSONAL MINIBADGE

## Arcticus

Designed By: Cyberm3n

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

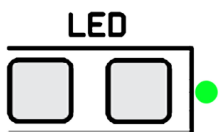
HOW DO I GET ONE?

Trade with me  
Just ask for one

### ASSEMBLY INSTRUCTIONS:

Solder 10  $\Omega$  resistor(s) to R1 & R2  
Solder Blue LED to D1 & D2  
Solder White LED to D3  
Solder Jumper to either Flash or Solid  
Cut header PIN(s) as needed  
Solder PIN(s) to board  
OPTIONAL Cover LEDs with Hot Glue as a diffuser

BOARD/LED TYPE:



PARTS USED:

1206 White LED  
1206 Blue LED  
1206 Resistor



FRONT

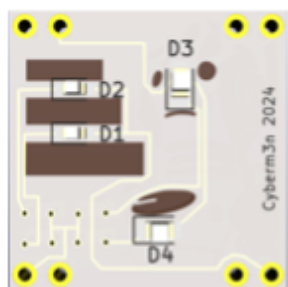


# PERSONAL MINIBADGE

## Cyberman

Designed By: Cyberm3n  
Upgrade or you will be deleted

BACK



DIFFICULTY:  
**INTERMEDIATE**

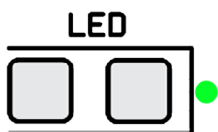
RARITY:  
**RARE**

HOW DO I GET ONE?  
Trade with me  
Just ask for one

### ASSEMBLY INSTRUCTIONS:

Solder 150  $\Omega$  resistors to the right-side column (The pads outlined / highlighted in RED)  
Solder 10  $\Omega$  resistors to the left-side column  
Solder Red LEDs to D1 & D2  
Solder Blue LED to D3  
Solder White LED to D4  
Cut header PIN(s) to size as needed  
Solder PIN(s) to board  
Solder Jumper to either Flash or Solid  
OPTIONAL Cover LEDs with Hot Glue as a diffuser

BOARD/LED TYPE:



PARTS USED:

0603 LEDs  
0805 LEDs  
0805 Resistor

FRONT

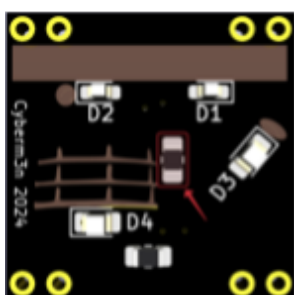


# PERSONAL MINIBADGE

## Dalek

Designed By: Cyberm3n  
Exterminate Exterminate

BACK



DIFFICULTY:  
**INTERMEDIATE**

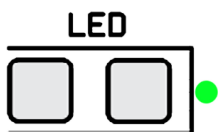
RARITY:  
**RARE**

HOW DO I GET ONE?  
Trade with me  
Just ask for one

### ASSEMBLY INSTRUCTIONS:

Solder 150  $\Omega$  resistor to the vertical resistor pad (Pad outlined / highlighted in RED)  
Solder 10  $\Omega$  resistor to the horizontal pad (Pad below D4)  
Solder Red LEDs to D1 & D2  
Solder Blue LED to D3

BOARD/LED TYPE:

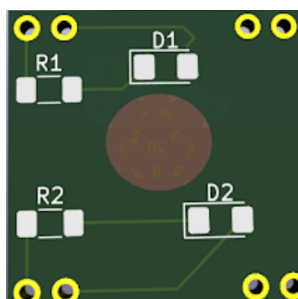


PARTS USED:  
0603 LEDs  
0805 LEDs  
0805 Resistor

FRONT



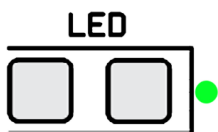
BACK



#### ASSEMBLY INSTRUCTIONS:

Super simple:  
Solder the resistor and LEDs in place along with the legs, you are good to go.

BOARD/LED TYPE:



PARTS USED:

# PERSONAL MINIBADGE

## Roll for Initiative

Designed By: Derek Gray

A minibadge associated with my presentation: Roll for Initiative: Bringing table top RPGs to your Table Top exercises.

DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

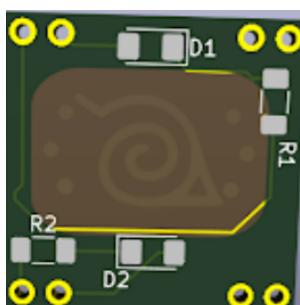
HOW DO I GET ONE?

attend the presentation, or find me

FRONT



BACK



#### ASSEMBLY INSTRUCTIONS:

Solder resistors & LEDs as labeled  
slide edge blocks in place on the outer pin sets (reflective side facing in)

# PERSONAL MINIBADGE

## Naruto

Designed By: Derek Gray

Celebrate your love of Naruto by touting a minibadge emblazoned with the symbol for the Leaf Village.

DIFFICULTY:

**BEGINNER**

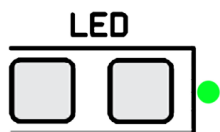
RARITY:

**SUPER RARE**

HOW DO I GET ONE?

Kid's night or Thursday / Friday find me.

BOARD/LED TYPE:

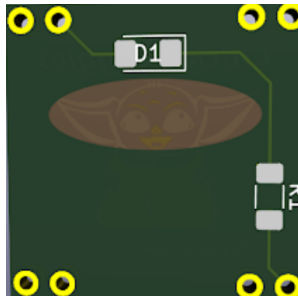


PARTS USED:

FRONT



BACK



#### ASSEMBLY INSTRUCTIONS:

Connect per schematic led and resistor

# PERSONAL MINIBADGE

## Chicky Nuggies

Designed By: Derek Gray  
Baby Yoda loves nuggies, need I say more

DIFFICULTY:

**BEGINNER**

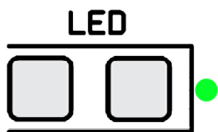
RARITY:

**SUPER RARE**

HOW DO I GET ONE?

Kid's night badge or Thursday/ Friday find me  
and let me know "what you want".

BOARD/LED TYPE:



PARTS USED:

FRONT



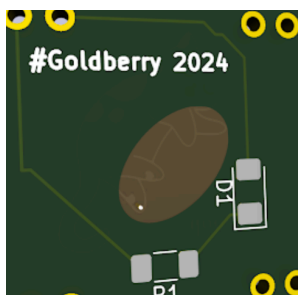
# PERSONAL MINIBADGE

## Sloopy Kitty

Designed By: Derek Gray

After a long day of Saintcon, Kitty's gotta crash. an homage to kids after they have a long night of kids night.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

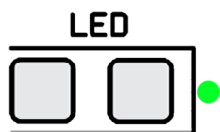
HOW DO I GET ONE?

Trade at Kids night, or find me on Thursday / Friday. \*Friday I'll be wearing the Fred Flintstone shirt

### ASSEMBLY INSTRUCTIONS:

Just a single LED and resistor per the board

BOARD/LED TYPE:



PARTS USED:

FRONT



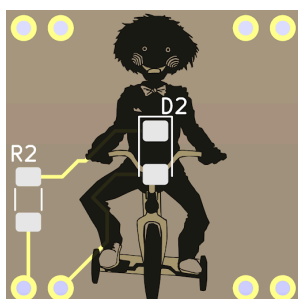
# PERSONAL MINIBADGE

## Jigsaw Tricycle

Designed By: Dirtybird

Ominous jigsaw riding a copper tricycle. This badge glows red and looks very good with a little hot glue on the back to even out the led illumination.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade

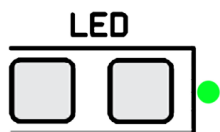
RARITY:

**RARE**

### ASSEMBLY INSTRUCTIONS:

Simple smd led and resistor soldering

BOARD/LED TYPE:



PARTS USED:

FRONT



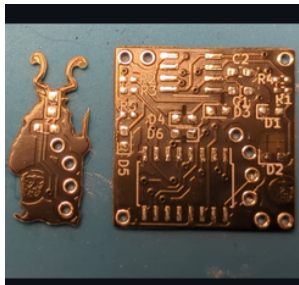
# PERSONAL MINIBADGE

## Krampus

Designed By: distinctm1nd

This badge has a hidden message, see if you can find it!

BACK



DIFFICULTY:  
**ADVANCED**

RARITY:  
**SUPER RARE**

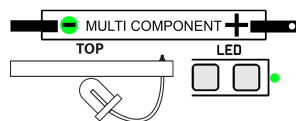
HOW DO I GET ONE?  
Contact me on discord or find me at the  
conference

### ASSEMBLY INSTRUCTIONS:

The instructions for this are here: [https://github.com/distinctm1nd/krampus\\_minibadge\\_2023](https://github.com/distinctm1nd/krampus_minibadge_2023)

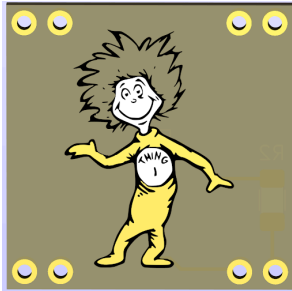
BOARD/LED TYPE:

PARTS USED:





FRONT

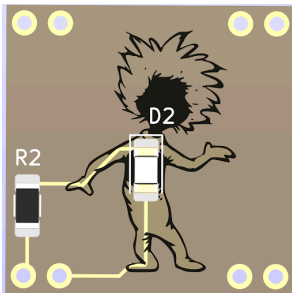


# PERSONAL MINIBADGE

## Thing 1

Designed By: Dr. Seuss  
Thing 1 from Dr. Seuss

BACK



DIFFICULTY:  
**BEGINNER**

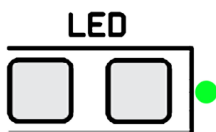
RARITY:  
**RARE**

HOW DO I GET ONE?  
Trade - Meet me at Badge trading or Blueteam Village

### ASSEMBLY INSTRUCTIONS:

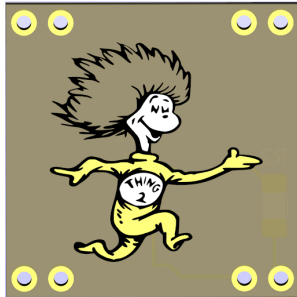
Simple SMD led soldering

BOARD/LED TYPE:



PARTS USED:

FRONT

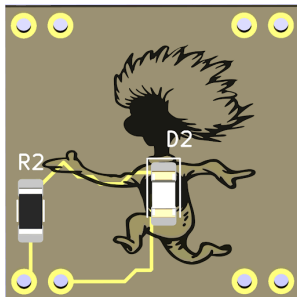


# PERSONAL MINIBADGE

## Thing 2

Designed By: Dr. Seuss  
Thing 2 from Dr. Seuss

BACK



DIFFICULTY:  
**BEGINNER**

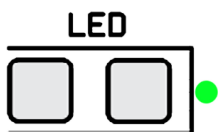
RARITY:  
**RARE**

HOW DO I GET ONE?  
Trade - see me at badge trading or Blueteam Village

### ASSEMBLY INSTRUCTIONS:

Simple surface mount soldering

BOARD/LED TYPE:



PARTS USED:

FRONT



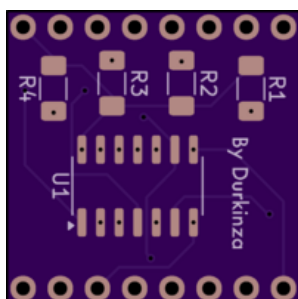
# PERSONAL MINIBADGE

## SAINTSays

Designed By: Durkinza

The badge has a pattern matching game and will display your high score as you walk around so all can see your awesome stack trace memorizing skills.

BACK



DIFFICULTY:

**ADVANCED**

RARITY:

**SUPER RARE**

HOW DO I GET ONE?

Find Durkinza around the conference and offer to trade for it.

### ASSEMBLY INSTRUCTIONS:

I wanted to learn how to make a badge, and I liked the idea of making the badge functional like a game.

There are 4 1206 LEDs of varying colors and 4 1206 resistors.

The value of the resistors depends on how bright you want each color.

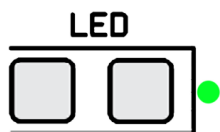
The chip on the back is an ATTINY84a.

The making of: <https://zannedurk.in/saintsays-mini-badge/>

Soldering steps: <https://zannedurk.in/soldering-the-saintsays-mini-badge/>

Code/KiCad files: <https://github.com/durkinza/SaintSays-MiniBadge>

BOARD/LED TYPE:



PARTS USED:

ATTINY84a

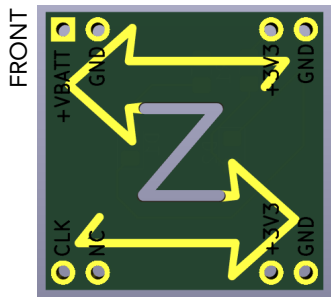
LED Blue

LED Yellow:

LED Red

LED Green

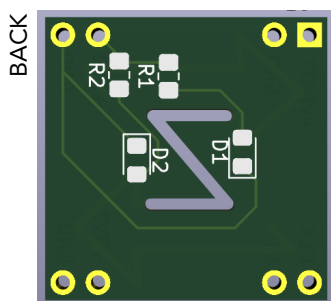
Buttons:



# PERSONAL MINIBADGE

## Zeek MiniBadge

Designed By: Eldon Koyle  
MiniBadge with Zeek logo



DIFFICULTY:  
**INTERMEDIATE**

HOW DO I GET ONE?  
Available in Blue Team Community

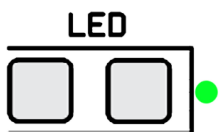
RARITY:  
**UNCOMMON**

### ASSEMBLY INSTRUCTIONS:

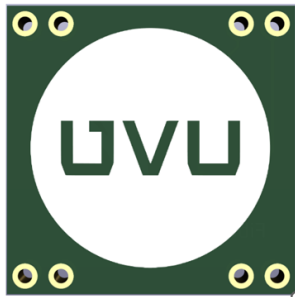
Orient the LEDs with the green line next to the closed end of the box on the silkscreen when soldering. Kit should contain 2 LEDs and 2 resistors.

BOARD/LED TYPE:

PARTS USED:



FRONT



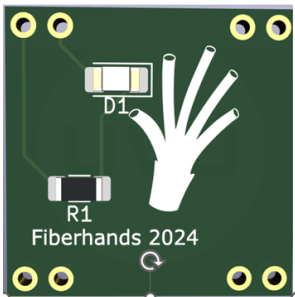
# PERSONAL MINIBADGE

UVU 1 of 3

Designed By: FiberHands

Very simple design with one LED and one Resistor

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

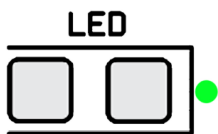
HOW DO I GET ONE?

Talk to a UVU employee.

## ASSEMBLY INSTRUCTIONS:

Solder on the surface mount LED, Resistor and pins and that's it.

BOARD/LED TYPE:

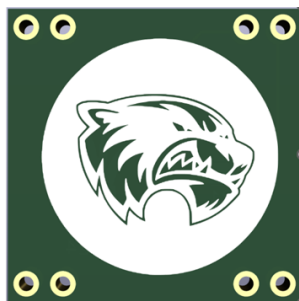


PARTS USED:

PART OF SET:

UVU:  
Badge 1 of 3

FRONT

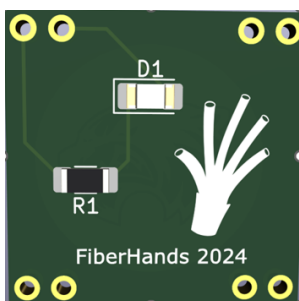


# PERSONAL MINIBADGE

UVU 2 of 3

Designed By: Fiberhands  
designed by a UVU employee. Just for fun

BACK



DIFFICULTY:  
**BEGINNER**

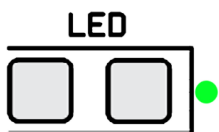
RARITY:  
**UNCOMMON**

HOW DO I GET ONE?  
Talk to a UVU employee

## ASSEMBLY INSTRUCTIONS:

Solder on the surface mount LED and resistor and the pins.

BOARD/LED TYPE:



PARTS USED:

PART OF SET:

UVU:  
Badge 2 of 3

FRONT

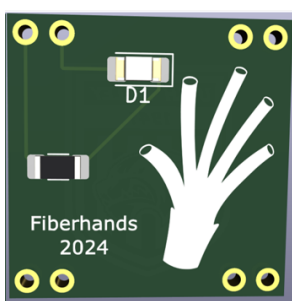


# PERSONAL MINIBADGE

UVU 3 of 3

Designed By: Fiberhands  
Designed by a UVU employee. Just for fun

BACK



DIFFICULTY:  
**BEGINNER**

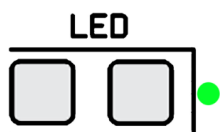
RARITY:  
**UNCOMMON**

HOW DO I GET ONE?  
Talk to a UVU employee

## ASSEMBLY INSTRUCTIONS:

solder on the surface mount LED, resistor and pins,.

BOARD/LED TYPE:



PARTS USED:

PART OF SET:

UVU:  
Badge 3 of 3

FRONT



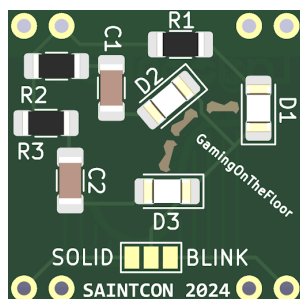
# PERSONAL MINIBADGE

## Lagoonfreak

Designed By: GamingOnTheFloor

I created a minibadge design for my father's first time going to SAINTCON. A rollercoaster with lights (hopefully) shining in sequence. (Blue PCB, white silkscreen. I was lazy with the images.)

BACK



DIFFICULTY:  
**INTERMEDIATE**

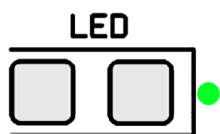
HOW DO I GET ONE?  
Trade with Lagoonfreak

RARITY:  
**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

The 68 ohm resistor goes on R1. The 1k ohm resistor goes on R2. The 2k ohm resistor goes on R3. All LEDs are the same. All the capacitors are the same. Easier version using just D2 and R2, jumping C1.

BOARD/LED TYPE:



PARTS USED:

R1: <https://www.digikey.com/short/p73t072v>

R2: <https://www.digikey.com/short/ww5nvnf9>

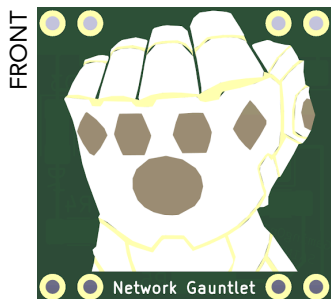
R3: <https://www.digikey.com/short/vtz157p4>

LEDs: <https://www.digikey.com/short/4j0mcm5j>

Standoffs: <https://www.digikey.com/short/wn484jd9>

Capacitors: <https://www.digikey.com/short/bdj57vd9>



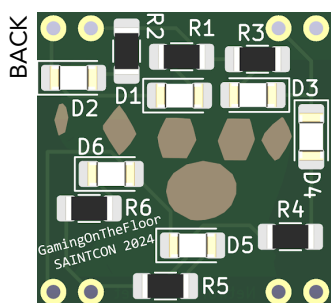


# PERSONAL MINIBADGE

## Network Gauntlet

Designed By: GamingOnTheFloor

Adventure to find all 6 network stones! One stone (LED) from each member of the SAINTCON network team. (Black PCB, White silkscreen, silver copper. I was lazy with the pictures.)



DIFFICULTY:  
**INTERMEDIATE**

RARITY:  
**SUPER RARE**

### HOW DO I GET ONE?

Each team member has twenty badges, which come with the yellow LED. Each team member has 100 of their LED: GamingOnTheFloor - Green, LagoonFreek - Blue, Chunk - Orange, SquirrelyStub - Red, shifty - Violet.

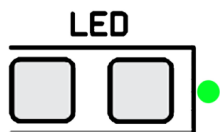
### ASSEMBLY INSTRUCTIONS:

\*\*\*D6 WAS PRINTED FLIPPED!\*\*\* D6 (violet LED) needs to be soldered backwards compared to every other LED.

See parts list for location of each LED:

<https://docs.google.com/spreadsheets/d/1gZo9u8EMQuAzSpQ2In0-oYkfDUCe1SNByMXWLdcy5xo/edit?usp=sharing>.

### BOARD/LED TYPE:



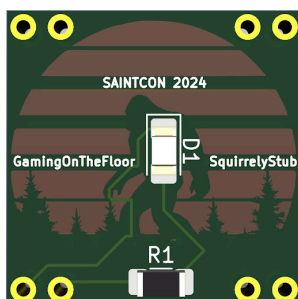
### PARTS USED:

<https://docs.google.com/spreadsheets/d/1gZo9u8EMQuAzSpQ2In0-oYkfDUCe1SNByMXWLdcy5xo/edit?usp=sharing>

FRONT



BACK



### ASSEMBLY INSTRUCTIONS:

This badge is really easy to assemble there is one led and one resistor.

# PERSONAL MINIBADGE

## Moonwalker

Designed By: GamingOnTheFloor & SquirrelyStub

Moonwalker, combines two great mysteries: Bigfoot and why we thought putting him under a giant moon would make him harder to find. We designed it to showcase Bigfoot taking a casual nighttime stroll, because even cryptids need their moonlit cardio. It's a fun nod to those who, like Bigfoot, manage to stay off the radar—whether you're dodging cameras in the woods or avoiding detection in the cyber world. Plus, who wouldn't want to see Bigfoot showing off his smooth walking skills under a full moon?

DIFFICULTY:

**BEGINNER**

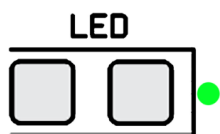
RARITY:

**SUPER RARE**

HOW DO I GET ONE?

There is a blue one given away by SquirrelyStub and a black one given away by GamingOnTheFloor we have 50 each. To obtain one please trade with one of us or simply ask for one. As the stash gets lower they might get harder to obtain and we may ask you to solve a challenge or riddle.

BOARD/LED TYPE:



PARTS USED:

FRONT



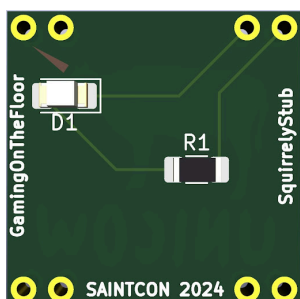
# PERSONAL MINIBADGE

## Unicow

Designed By: GamingOnTheFloor & SquirrelyStub

Meet our minibadge, Unicow, the only creature at SAINTCON blending cybersecurity with farmyard magic! This fabulous cow, sporting a unicorn horn, reminds us that even in tech, there's room for silliness. Picture Unicow roaming the digital fields, detecting malware with its magical horn while cracking jokes about "udders" and "debugging." It's all about securing the pasture, one hoof at a time!

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

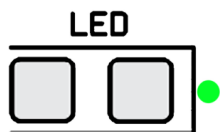
HOW DO I GET ONE?

See SquirrelyStub and trade with him or just ask for one. There are a limited number of them so as they get lower in number he may ask you to solve a challenge or make him laugh or simply make him feel pretty.

### ASSEMBLY INSTRUCTIONS:

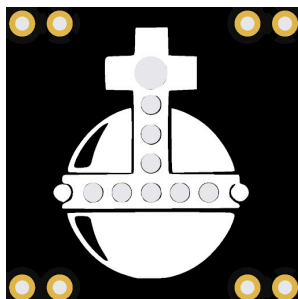
This is very easy there is only one LED and only one resistor

BOARD/LED TYPE:



PARTS USED:

FRONT



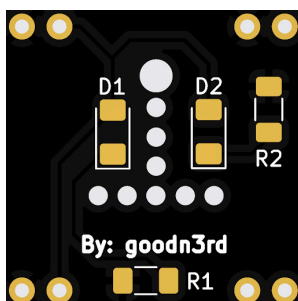
# PERSONAL MINIBADGE

## The Holy Hand Grenade of Antioch

Designed By: goodn3rd

Who wouldn't want a copy of the only know relic blessed by Saint Attila? Just take care as thou countest to three. No more, no less.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

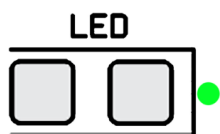
HOW DO I GET ONE?

Find goodn3rd around the community area or at trading meetups and trade (or teach them something interesting).

### ASSEMBLY INSTRUCTIONS:

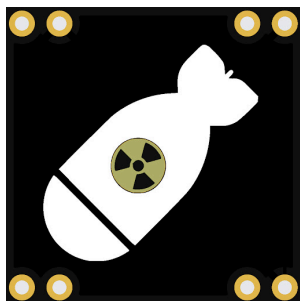
- Begin on the back side first.
- Solder the two LEDs first, using the single-pad method for hand soldering.
- Solder the two resistors using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers, with the artwork facing out.

BOARD/LED TYPE:



PARTS USED:

FRONT



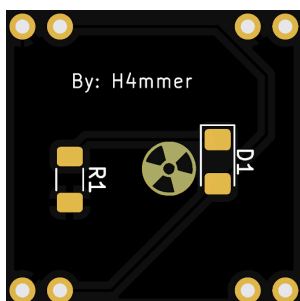
# PERSONAL MINIBADGE

## The Atom Bomb

Designed By: H4mmer

This is the first badge I have designed. It just looked like a cool image for a minibadge.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

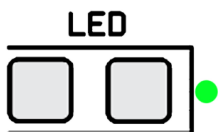
HOW DO I GET ONE?

Find H4mmer around the community area or at trading meetups and trade (or teach them something interesting).

### ASSEMBLY INSTRUCTIONS:

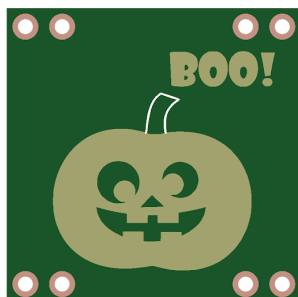
- Begin on the back side first.
- Solder the LED first, using the single-pad method for hand soldering. (Consider soldering the LED on its side or adding hot glue to make the badge shine brighter)
- Solder the resistor using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers, with the artwork facing out.

BOARD/LED TYPE:

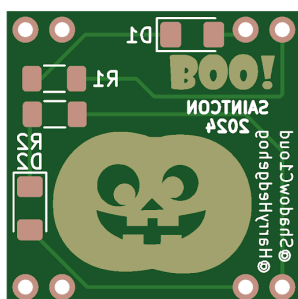


PARTS USED:

FRONT



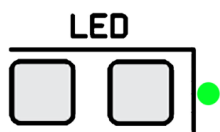
BACK



#### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LEDs first, using the single-pad method for hand soldering.
- Solder the resistor using the single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



# PERSONAL MINIBADGE

## Pumpkin Badge

Designed By: HarryHedgehog & ShadowC1oud

Fun Pumpkin Badge designed by first time minibage creator Harry Hedgehog. HH loved his first SAINTCON Family night last year and wanted a minibadge to trade with others this year.

DIFFICULTY:

### BEGINNER

RARIETY:

### SUPER RARE

HOW DO I GET ONE?

Trade with me at family night, any extras will be traded for on HH's behalf at the conference following family night.

PARTS USED:

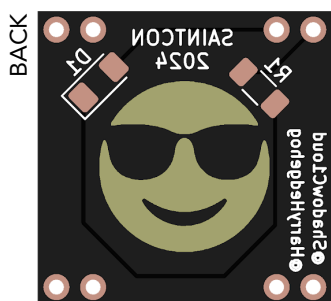
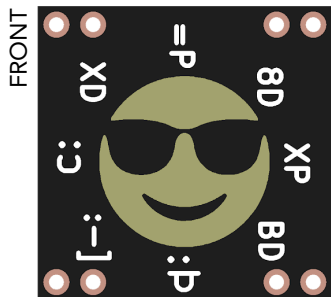
Designed for

2 x 1206 3v Orange LEDs

(<https://www.aliexpress.us/item/2251832152852349.html>)

2 x 1206 100ohm Resistors

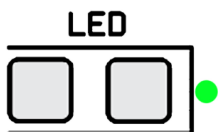
(<https://www.aliexpress.us/item/3256805933290218.html>)



#### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED first, using the single-pad method for hand soldering.
- Solder the resistor using the single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

#### BOARD/LED TYPE:



# PERSONAL MINIBADGE

## Smile Emoji

Designed By: HarryHedgehog & ShadowC1oud

Another design by HarryHedgehog. The smiley faces are meant to bring joy!

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

HOW DO I GET ONE?

Trade with me on Family Night or with my dad (ShadowC1oud) at the conference after family night

#### PARTS USED:

1x LED 3v Warm White

(<https://www.aliexpress.us/item/2251832152852349.html?>)

1x 100ohm Resistor (<https://www.aliexpress.us/item/3256805933290218.html>)

FRONT



BACK



# PERSONAL MINIBADGE

## Ghosts Badge

Designed By: HeiHei & ShadowCloud

First ever badge designed by HeiHei. She loves Ghosts, Halloween, Rainbows and SAINTCON! (Marked as intermediate only because the LED size is a little smaller than the 1206 size the board was made for. It should still solder fine though)

DIFFICULTY:

**INTERMEDIATE**

HOW DO I GET ONE?

Trade with me at Family night or with my dad at the conference after family night.

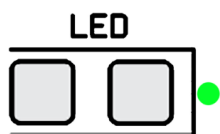
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED first, using the single-pad method for hand soldering. LED is 0807 while board was designed for 1206, so it is a little smaller than expected but shouldn't cause too much issue when soldering. (Reason for intermediate rating)
- Solder the resistor using the single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1x 0807 RGB LED (Slow Flash)  
<https://www.aliexpress.us/item/3256804670052779.html>  
 1x 1206 100ohm resistor  
<https://www.aliexpress.us/item/3256805933290218.html>



FRONT



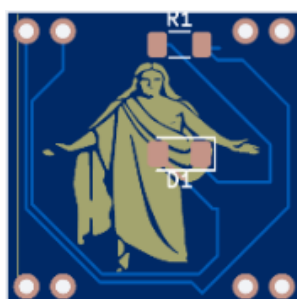
# PERSONAL MINIBADGE

## Gospel Library

Designed By: Hollyhacker

This minibadge was designed as a reminder of a daily tool used in my life . It is based on a personal faith belief of the importance of Jesus Christ in my life. It is meant to share an important part of who I am as a designer and person.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

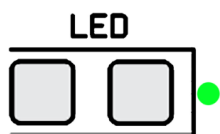
HOW DO I GET ONE?

I did not design this badge for general trading I have a very limited quantity. I have lots of other badges for general trading and sharing. You will need to explicitly ask me for this badge. Share a story, thought inspiration, moment, etc. on why it might be special to you.

### ASSEMBLY INSTRUCTIONS:

Basic SMD Pad Soldering Method

BOARD/LED TYPE:



PARTS USED:

1206 100R Resistor

White 1206 SMD LED

(I did a few of thees in yellow as well and found they look nice)

FRONT



BACK



#### ASSEMBLY INSTRUCTIONS:

Standard SMD.

# PERSONAL MINIBADGE

## Pineapple Minibadge

Designed By: Hollyhacker/SHIFTY

Inspired by the idea of a Wi-Fi Pineapple and mapping out networks. (No actual wireless radios included)

DIFFICULTY:

**BEGINNER**

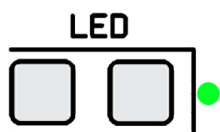
RARITY:

**RARE**

HOW DO I GET ONE?

Trade or Ask Hollyhacker

BOARD/LED TYPE:



PARTS USED:

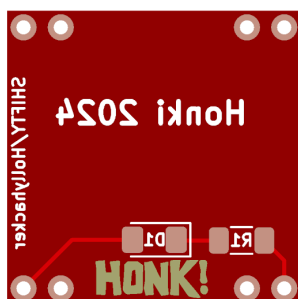
1206 100R Resistors

0805 RGB Flash (also fits 1206 if your careful)

FRONT



BACK



## ASSEMBLY INSTRUCTIONS:

Standard SMD pad style soldering.

# PERSONAL MINIBADGE

## HONK-IF-YOUR-HONKI

Designed By: Honki/SHIFTY/Hollyhacker

Without Honki Saintcon wouldn't happen. In a tribute to her amazing laugh and her amazing ability to do 8 things at once Shifty/Hollyhacker have made this minibadge in tribute of her endless service to all of saintcon and its attendees

DIFFICULTY:

**BEGINNER**

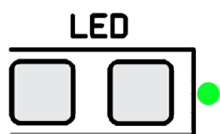
RARITY:

**RARE**

HOW DO I GET ONE?

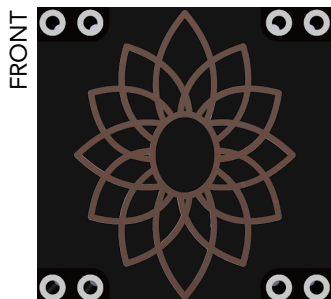
Find Honki! She is often around registration areas but if you listen closely you can hear laugh to guide you to meeting the amazing Honki!

BOARD/LED TYPE:



PARTS USED:

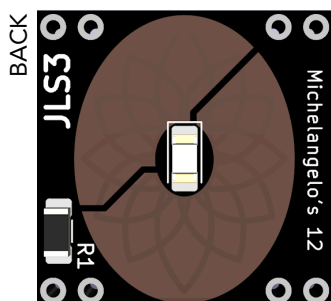
1206 100R Resistor  
1206 Green SMD LED



# PERSONAL MINIBADGE

## Michelangelos's 12

Designed By: Jim Stewart  
Michelangelos's 12 Personal Minibadge



DIFFICULTY:  
**BEGINNER**

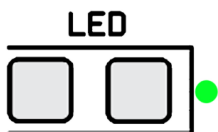
RARITY:  
**RARE**

HOW DO I GET ONE?  
Go find JLS3 and trade or barter for one of these!

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

### BOARD/LED TYPE:



### PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



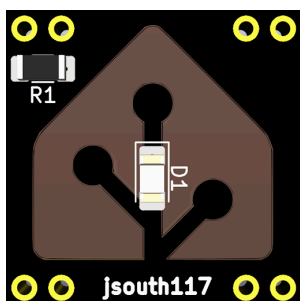
# PERSONAL MINIBADGE

## Home Assistant Badge

Designed By: jsouth117

Home Assistant is a favorite hobby of mine

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

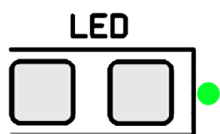
HOW DO I GET ONE?

Trade with me or tell me about a favorite home automation you have or want to setup

### ASSEMBLY INSTRUCTIONS:

Solder resistor to R1, Solder led to D1. Cut and solder pin headers. Add hot glue to the back, covering the led to diffuse the light.

BOARD/LED TYPE:



PARTS USED:

FRONT



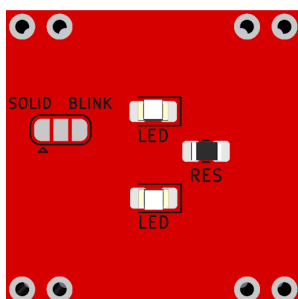
# PERSONAL MINIBADGE

## Supertechguy Personal Badge

Designed By: Jup1t3r

Do you know supertech guy? Do you want to? Of course you do!

BACK



DIFFICULTY:

**INTERMEDIATE**

HOW DO I GET ONE?

Trade him something cool for one of these badges!

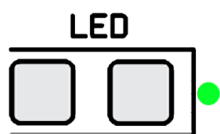
RARITY:

**RARE**

### ASSEMBLY INSTRUCTIONS:

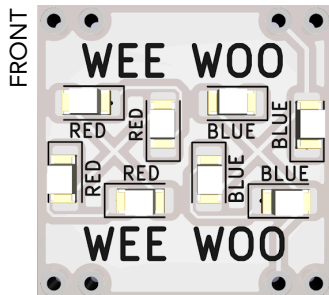
- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the jumper. (Pads at the bottom.) Either both of the right pads to make the badge blink or solder both of the left pads together to have the LED stay solid on.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

0805 LED  
0805 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

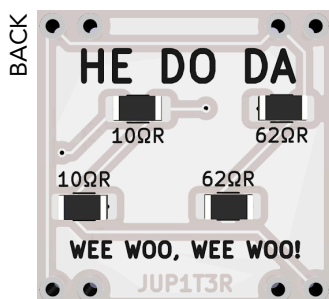


# PERSONAL MINIBADGE

## Wee Woo

Designed By: Jup1t3r

Wee woo wee woo he do da - Homage to the Police.... and ALOT of tik-tok memes.



DIFFICULTY:

**INTERMEDIATE**

RARITY:

**RARE**

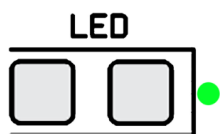
HOW DO I GET ONE?

Go and find Jup1t3r in the Minibadge trading space!

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

SMD LED(s)  
SMD Resistor(s)

FRONT



# PERSONAL MINIBADGE

## STAR WARS VADER Minibadge

Designed By: Jup1t3r

The 1st LED filament minibadge to hit Saintcon is the VADER badge. This badge first made its appearance in 2022, and is back by popular demand.

BACK



DIFFICULTY:

INTERMEDIATE

HOW DO I GET ONE?

Go and find Jup1t3r at the official Minibadge trading space.

RARITY:

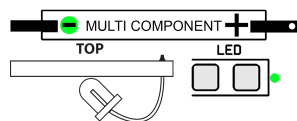
UNCOMMON

### ASSEMBLY INSTRUCTIONS:

Scan the QR code below to watch the offial assembly video.

BOARD/LED TYPE:

PARTS USED:



Scan For  
Assembly  
Instructions:





FRONT



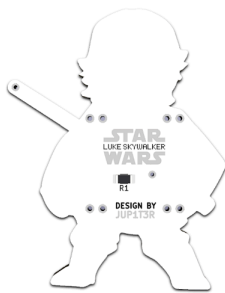
# PERSONAL MINIBADGE

## STAR WARS SKYWALKER Minibadge

Designed By: Jup1t3r

The SKYWALKER Minibadge will be super-rare. They are intended for Jup1t3r to give to people who have made significant contributions to the conference. So if you see someone wearing this one around, you can safely thank them for working Hard to make SAINTCON a success.

BACK



DIFFICULTY:

**ADVANCED**

HOW DO I GET ONE?

These are not for general circulation. Only available while supplies last.

RARITY:

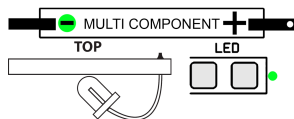
**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

This is similar to the VADER badge in assembly. Scan the QR code on the VADER badge for general instructions.

BOARD/LED TYPE:

PARTS USED:



FRONT



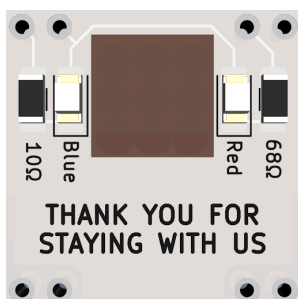
# PERSONAL MINIBADGE

## Hyatt Place Provo Minibadge

Designed By: Jup1t3r

Special thanks to the Hyatt Place Provo for hosting us again this year.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Available only to those that are staying there.

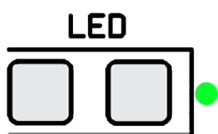
RARITY:

**UNCOMMON**

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



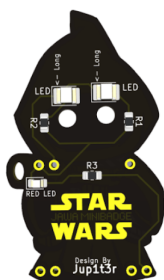
PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



BACK



# PERSONAL MINIBADGE

## STAR WARS Jawa Minibadge

Designed By: Jup1t3r

A continuation of the Star War Series of badges.

DIFFICULTY:

**INTERMEDIATE**

RARITY:

**UNCOMMON**

HOW DO I GET ONE?

Go find Jup1t3r at the Minibadge Trading space to get one of these!

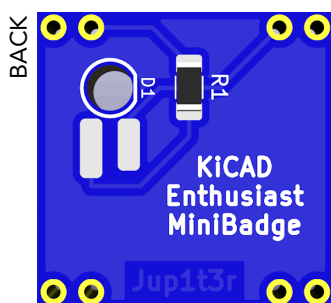
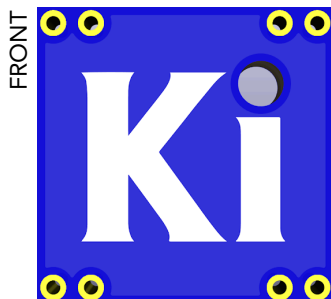
### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- You will need to carefully bend the THT LED's at a 90 Degree angle, push then through the holes and trim them a bit before soldering to the pads.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the Pin-headers.

BOARD/LED TYPE:

PARTS USED:





# PERSONAL MINIBADGE

## Kicad Enthusiast

Designed By: Jup1t3r

Do you love Kicad as much as we do? A tribute to the free open source we use to make the many great Minibadges for the con.

DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

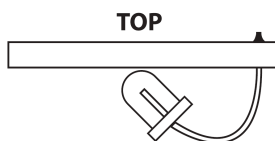
HOW DO I GET ONE?

Go find Jup1t3r at the Minibadge trading space.

### ASSEMBLY INSTRUCTIONS:

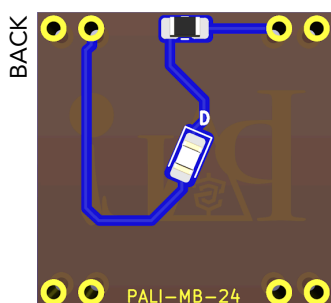
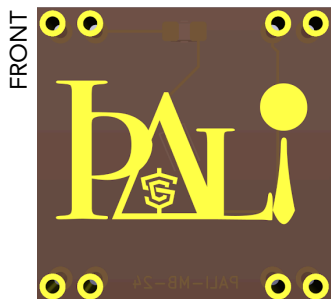
- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- You will need to bend the THT led at a 90 Degree angle, poke through the hole and trim the leads before soldering to the pads.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

THT Led  
SMD Resistor



# PERSONAL MINIBADGE

## Pali Minibadge

Designed By: Jup1t3r

You know me as the "Guy that runs the Saintcon Store."

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

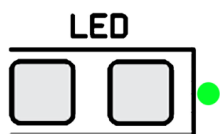
HOW DO I GET ONE?

Come find me and trade for one of these!

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

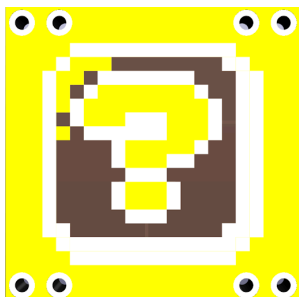
BOARD/LED TYPE:



PARTS USED:

SMD Led  
SMD Resistor

FRONT



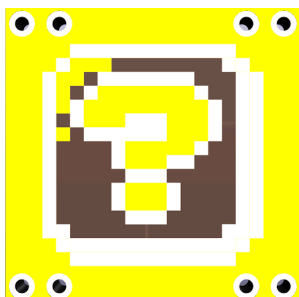
# PERSONAL MINIBADGE

## Mario Block

Designed By: Jup1t3r

First making its appearance in Mario Bros 1. The surprise block will live on!

BACK



DIFFICULTY:

**INTERMEDIATE**

HOW DO I GET ONE?

Find Jup1t3r at the Minibadge Trading Space.

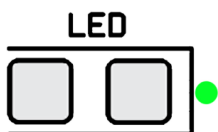
RARITY:

**RARE**

### ASSEMBLY INSTRUCTIONS:

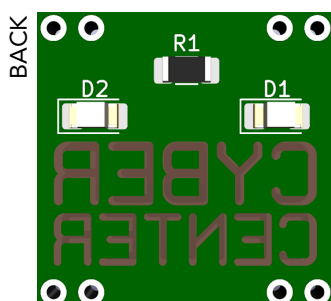
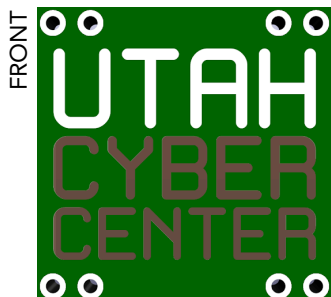
- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

0805 LED  
0805 RESISTOR  
FR4 PCB  
2-Pin Pin Headers



# PERSONAL MINIBADGE

## Utah Cyber Center Minibadge

Designed By: Jup1t3r

The Utah Cyber Center's duties are defined in Utah State Code 63A-16-1102. Some of these duties include the creation of a Statewide Strategic Cybersecurity Plan, receiving reports of breaches of system security as outlined in Utah Code 13-44-202 and 63A-19-405, and identifying sources of funding to make cybersecurity improvements throughout the state.

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

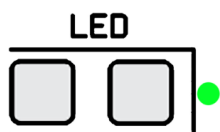
HOW DO I GET ONE?

Find a member of the Utah Cyber Center.

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

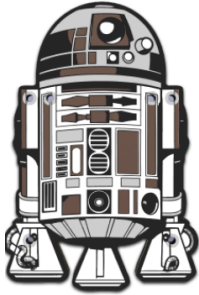
BOARD/LED TYPE:



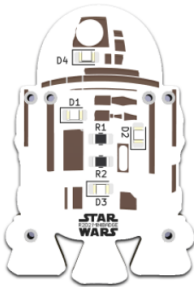
PARTS USED:

SMD LED(s)  
SMD Resistor(s)

FRONT



BACK



# PERSONAL MINIBADGE

## STAR WARS R2D2 Minibadge

Designed By: Jup1t3r/Berly

R2-D2 is courageous, comic, and a skilled technician. He communicates with beeps, chirps, squeals, and head spins.

DIFFICULTY:

**INTERMEDIATE**

RARITY:

**UNCOMMON**

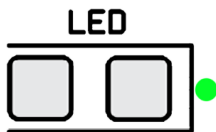
HOW DO I GET ONE?

As one of the coolest Minibadge Designs of this years con, these will go fast! Go find Berly to claim yours.

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the Pin-headers.

BOARD/LED TYPE:



PARTS USED:

0805 LED  
0805 RESISTOR  
FR4 PCB  
2-Pin Pin Headers



FRONT



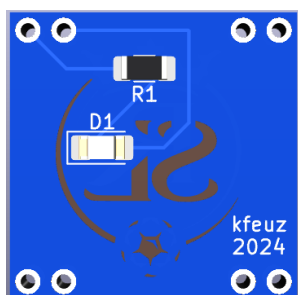
# PERSONAL MINIBADGE

## Real Salt Lake logo

Designed By: kfeuz

I'm an RSL fan so I wanted to create a minibadge to reflect that.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade or come talk with me about RSL.

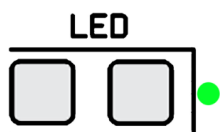
RARITY:

**RARE**

### ASSEMBLY INSTRUCTIONS:

Solder the led at the location labeled D1. Solder the resistor at the location labeled R1. Solder the header pins. Done!

BOARD/LED TYPE:



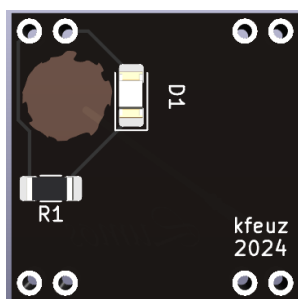
PARTS USED:

1 Red 1206 LED  
1 10-100 ohm 1206 Resistor

FRONT



BACK



# PERSONAL MINIBADGE

## Harry Potter Lumos

Designed By: kfeuz

I'm a Harry Potter fan and wanted to design a minibadge to reflect that.

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

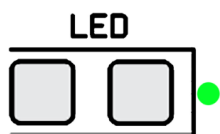
HOW DO I GET ONE?

Trade or come talk to me about Harry Potter.

### ASSEMBLY INSTRUCTIONS:

Solder the led at the location labeled D1. Solder the resistor at the location labeled R1. Solder the header pins. Done!

BOARD/LED TYPE:



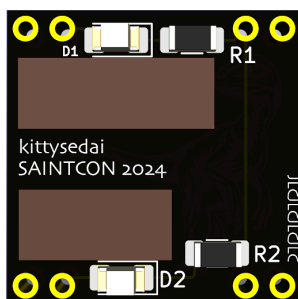
PARTS USED:

1 White 1206 LED  
1 10-100 ohm 1206 resistor

FRONT



BACK



# PERSONAL MINIBADGE

## Clever Girl

Designed By: kittysedai

Inspired by the original Jurassic Park, Muldoon's last words before he gets attacked by a Velociraptor.

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

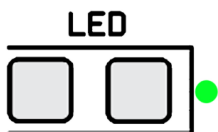
HOW DO I GET ONE?

Trade with me

### ASSEMBLY INSTRUCTIONS:

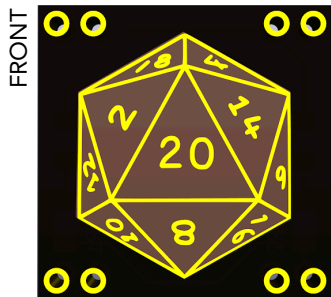
Solder the LEDs first, using the single-pad method for hand soldering. Solder the resistor using the single-pad method for hand soldering. Solder the Pin Headers to the Badge. Red LED goes on top, orange LED on bottom.

BOARD/LED TYPE:



PARTS USED:

1206 LED (1 red, 1 orange),  
1206 RESISTOR (2 - 75 OHM),  
2-Pin Pin Headers (4),  
FR-4 PCB Board (1)

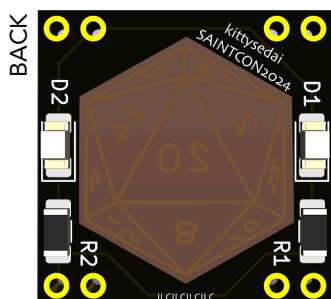


# PERSONAL MINIBADGE

## D20

Designed By: kittysedai

D20 dice for all you Dungeons and Dragons (D&D) or Dungeon Crawl Classic (DCC) Role Playing Game (RPG) lovers.



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

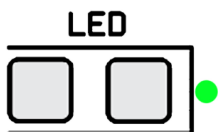
HOW DO I GET ONE?

Trade with me.

### ASSEMBLY INSTRUCTIONS:

Solder the LEDs first, using the single-pad method for hand soldering. Solder the resistor using the single-pad method for hand soldering. Solder the Pin Headers to the Badge.

BOARD/LED TYPE:



PARTS USED:

1206 LED (2 white),  
1206 RESISTOR (2 - 75 OHM),  
2-Pin Pin Headers (4),  
FR-4 PCB Board (1)

FRONT



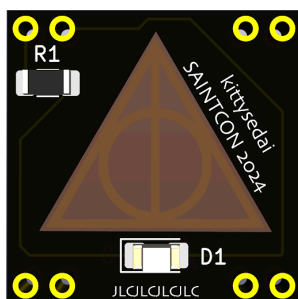
# PERSONAL MINIBADGE

## Deathly Hallows

Designed By: kittysedai

The Harry Potter Elder Wand, Cloak of Invisibility, and Resurrection Stone coming together to form the Deathly Hallows. Always for the love Severus Snape has for Lily after all this time.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me.

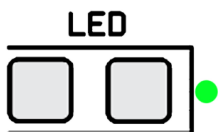
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

Solder the LEDs first, using the single-pad method for hand soldering. Solder the resistor using the single-pad method for hand soldering. Solder the Pin Headers to the Badge.

BOARD/LED TYPE:



PARTS USED:

1206 LED (1 white),  
1206 RESISTOR (1 - 75 OHM),  
2-Pin Pin Headers (4),  
FR-4 PCB Board (1)

FRONT



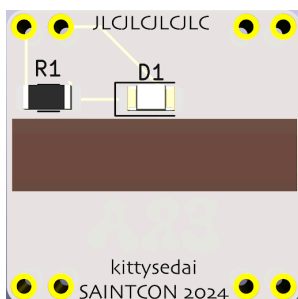
# PERSONAL MINIBADGE

## Hacker Era

Designed By: kittysedai

"In my era" is a slang phrase that refers to a period of time in a persons life that is notable for something distinctive. This badge was inspired by Taylor Swifts "In my Swiftie Era". This badge can be found in both white or black.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me.

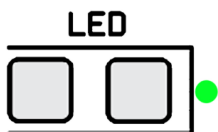
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

Solder the LEDs first, using the single-pad method for hand soldering. Solder the resistor using the single-pad method for hand soldering. Solder the Pin Headers to the Badge.

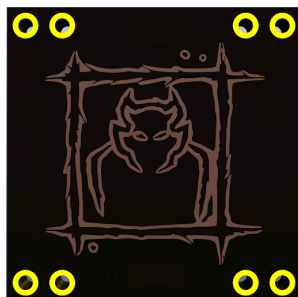
BOARD/LED TYPE:



PARTS USED:

1206 LED (1 pink or 1 red),  
1206 RESISTOR (1- 75 OHM),  
2-Pin Pin Headers (4),  
FR-4 PCB Board (1 white or 1 black)

FRONT



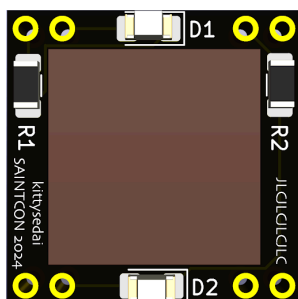
# PERSONAL MINIBADGE

## Hold Monster

Designed By: kittysedai

Inspired by Baldur's Gate 3. Hold monster is a level 5 enchantment spell. This spell allows spell casters to paralyze a creature, preventing them from acting and making them vulnerable to attacks. Cost: Action + Level 5 spell slot. Range: 18m / 60 ft. Requires concentration.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me.

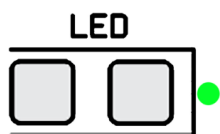
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

Solder the LEDs first, using the single-pad method for hand soldering. Solder the resistor using the single-pad method for hand soldering. Solder the Pin Headers to the Badge.

BOARD/LED TYPE:



PARTS USED:

1206 LED (2 red),  
1206 RESISTOR (2 - 75 OHM),  
2-Pin Pin Headers (4),  
FR-4 PCB Board (1)

FRONT



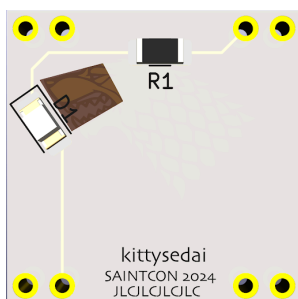
# PERSONAL MINIBADGE

## Winter Is Coming

Designed By: kittysedai

Inspired by Game of Thrones, House Stark motto. This badge can be found in white or black.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me.

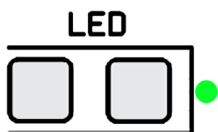
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

Solder the LEDs first, using the single-pad method for hand soldering. Solder the resistor using the single-pad method for hand soldering. Solder the Pin Headers to the Badge.

BOARD/LED TYPE:



PARTS USED:

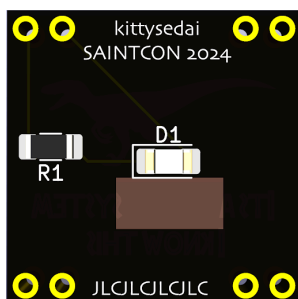
1206 LED (1 white),  
1206 RESISTOR (1 - 75 OHM),  
2-Pin Pin Headers (4),  
FR-4 PCB Board (1 black or 1 white)



FRONT



BACK



# PERSONAL MINIBADGE

## UNIX System

Designed By: kittysedai

Jurassic Park, where the biggest threat to humanity wasn't the dinosaurs, but a UNIX system and a clever velociraptor.

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

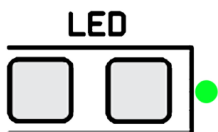
HOW DO I GET ONE?

Trade with me.

### ASSEMBLY INSTRUCTIONS:

Solder the LEDs first, using the single-pad method for hand soldering. Solder the resistor using the single-pad method for hand soldering. Solder the Pin Headers to the Badge.

BOARD/LED TYPE:



PARTS USED:

1206 LED (1 red),  
1206 RESISTOR (1- 75 OHM),  
2-Pin Pin Headers (4),  
FR-4 PCB Board (1)

FRONT



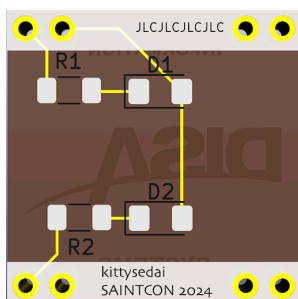
# PERSONAL MINIBADGE

## DISA

Designed By: kittysedai

The Department of Defenses finest Agency; DISA - Defense Information Systems Agency. The trusted provider to connect and protect the warfighter in cyberspace.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me

RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

1. Solder the through-hole LEDs to the D1 & D2 SMD pads.
  - The short leg goes inside the box.
  - Bend the legs so the LEDs curves in toward the center of the badge.
2. Solder the resistor using the single-pad method for hand soldering.
3. Solder the Pin Headers to the Badge.

BOARD/LED TYPE:



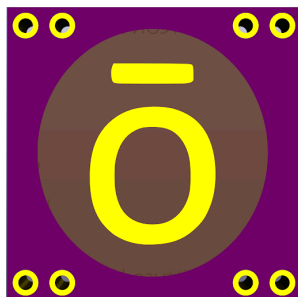
PART OF SET:

no

PARTS USED:

3mm RGB Multicolor Fast Blinking LED (2), RESISTOR (2 - 75 OHM), 2-Pin Pin Headers (4), FR-4 PCB Board (1)

FRONT



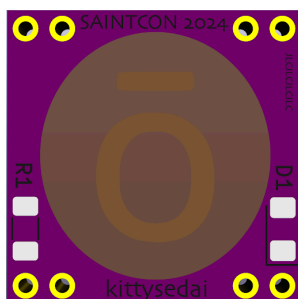
# PERSONAL MINIBADGE

## doTERRA

Designed By: kittysedai

doTERRA, meaning "gift of the earth" in Latin, is committed to sharing natural essential oils globally, empowering individuals to take charge of their well-being, one drop at a time.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me

RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

1. Solder the through-hole LED to the D1 SMD pad.
  - The short leg goes inside the box.
  - Bend the legs so the LED curves in toward the center of the badge.
2. Solder the resistor using the single-pad method for hand soldering.
3. Solder the Pin Headers to the Badge.

BOARD/LED TYPE:



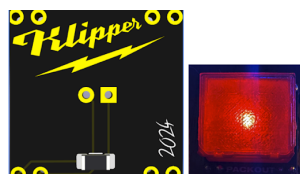
PARTS USED:

3mm RGB Multicolor Fast Blinking LED (1), RESISTOR (1 - 75 OHM), 2-Pin Pin Headers (4), FR-4 PCB Board (1)

FRONT



BACK



# PERSONAL MINIBADGE

## Team Red Minibadge

Designed By: klipper

A love letter to the greatest tool storage solution on the face of the earth. I thought it'd be fun to incorporate some multi-color 3D printing with my badge art this year. If you have a moment, I'd love to talk to you about tool storage :D

DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

HOW DO I GET ONE?

Come find me and trade me, or ask for one, or do an interpretive dance, tell me you like my hat, bring me a Sugar Free Redbull, share with me your favorite red tool and why.

### ASSEMBLY INSTRUCTIONS:

Solder the resistor on the back (only one spot for it to go, polarity doesn't matter)  
Place the glue dot on the bottom of the mini pack-out.  
Push the through whole led through the packout and the glue dot.  
Stick the packout assembly to the minibadge  
Solder the LED  
Solder the pins on  
Glue the packout lid on

BOARD/LED TYPE:

PARTS USED:



FRONT



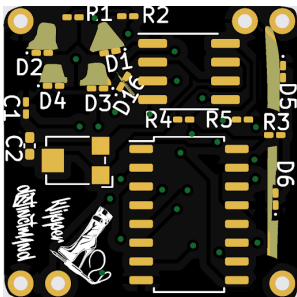
# PERSONAL MINIBADGE

## Cry Some More

Designed By: klipper & distinctm1nd

It has been said that certain MiniBadges are difficult to assemble. With that in mind, we offer, "Cry Some More". An artistic representation of the cries of sorrow about the difficulty of assembling MiniBadges falling on deaf ears.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

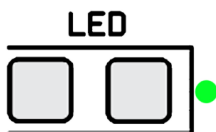
HOW DO I GET ONE?

Come find me and trade me, or ask for one, or do an interpretive dance, tell me you like my hat, bring me a Sugar Free Redbull, honestly...after seeing it you probably don't want one

### ASSEMBLY INSTRUCTIONS:

Let's be honest, some text instructions likely aren't going to help you...if only there was a clue on the badge...

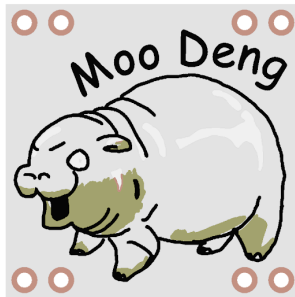
BOARD/LED TYPE:



PARTS USED:

0.1uF Capacitor (0201) | 22uF Capacitor (0402)  
6- smd amber LEDs (0201) | 10- smd red LEDs (0201)  
4- 68 ohm resistors (0201) | 5.1k ohm resistor (0201)  
TLC555 timer, CD4017 decade counter  
10k ohm potentiometer | 3- 2-pin male 2.54 headers

FRONT



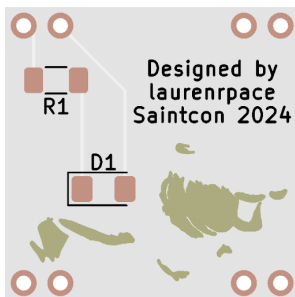
# PERSONAL MINIBADGE

## Moo Deng

Designed By: laurenpace

Moo Deng is a viral baby hippo at a zoo in Thailand. She's famous for tripping her mother and biting the water hose and her handler. She is a being of pure chaos.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

HOW DO I GET ONE?

Trade.

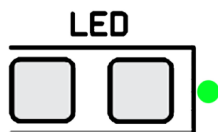
### ASSEMBLY INSTRUCTIONS:

Use single pad method to solder on surface mount components.

Attach 1206 SMD Resistor to R1.

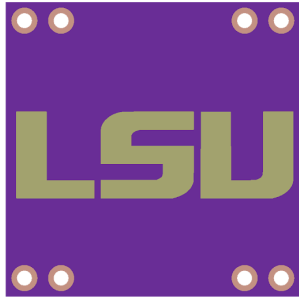
Attach White 1206 SMD LED to D1, green facing the inside of the box.

BOARD/LED TYPE:



PARTS USED:

FRONT



# PERSONAL MINIBADGE

LSU

Designed By: laurenpace and clintonjwalker  
Swamp school.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade.

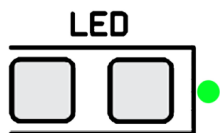
RARITY:

**UNCOMMON**

## ASSEMBLY INSTRUCTIONS:

Use single pad method to solder on surface mount components.  
Attach 1206 SMD Resistor to R1.  
Attach Yellow 1206 SMD LED to D1, green facing the inside of the box.

BOARD/LED TYPE:

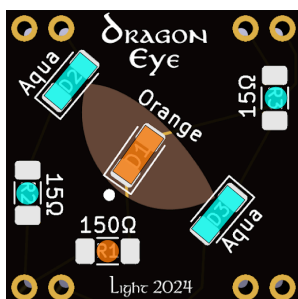


PARTS USED:

FRONT



BACK



#### ASSEMBLY INSTRUCTIONS:

Please visit <https://sites.google.com/view/lights-minibadges> for instructions and images.

# PERSONAL MINIBADGE

## Dragon Eye

Designed By: Light

Dragons were ancient, intelligent, and powerful creatures, both feared and admired throughout Middle-earth. They were originally bred by Morgoth during the First Age to serve as powerful war beasts. Glaurung (Sindarin for "Gold-worm") was the first of the dragons and one of the foremost lieutenants of Morgoth. He was a mighty wyrm with cunning intellect and a powerful hypnotic gaze.

DIFFICULTY:

**BEGINNER**

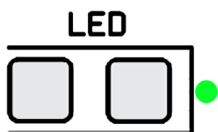
RARITY:

**RARE**

HOW DO I GET ONE?

Trade or barter with me at the minibadge trading space.

BOARD/LED TYPE:



PARTS USED:

1x 1206 Orange LED  
2x 1206 Ice Blue LED  
1x 1206 68 Ohm Resistor  
2x 1206 15 Ohm Resistor

Scan For  
Assembly  
Instructions:

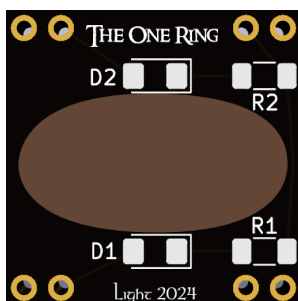




FRONT



BACK



# PERSONAL MINIBADGE

## The One Ring

Designed By: Light

One Ring to rule them all, One Ring to find them,  
One Ring to bring them all and in the darkness bind them.

This ring is part of a set. Talk to Moomoo and TheTrollGod to collect Narya and Vilya.

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

HOW DO I GET ONE?

Trade or barter with me at the minibadge trading space.

### ASSEMBLY INSTRUCTIONS:

Please visit <https://sites.google.com/view/lights-minibadges> for instructions and images.

BOARD/LED TYPE:



PARTS USED:

1x 3mm Yellow Flicker LED  
1x 1206 Orange LED  
2x 68 Ohm Resistors

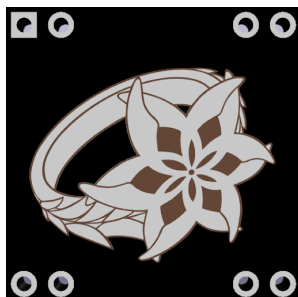
PART OF SET:

Rings of Power -  
Badge 1 of 4

Scan For  
Assembly  
Instructions:



FRONT



BACK



# PERSONAL MINIBADGE

## Nenya - Ring of Water

Designed By: Light

Nenya, the Ring of Water, was crafted by Celebrimbor of Eregion along with the other two Elven Rings, Narya and Vilya. After learning of the One Ring's existence, Galadriel advised Celebrimbor to keep the rings hidden and unused. He heeded this counsel, first by giving Nenya to Galadriel. Its powers of preservation, protection, and concealment from evil strengthened and beautified Lothlórien until the One Ring's destruction and Sauron's defeat.

This ring is part of a set. Talk to Moomoo and TheTrollGod to collect Narya and Vilya.

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

HOW DO I GET ONE?

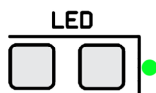
Trade or barter with me at the minibadge trading space.

### ASSEMBLY INSTRUCTIONS:

Please visit <https://sites.google.com/view/lights-minibadges> for instructions and images.

1. Solder the LEDs on D1 and D2 (green marking goes inside the silkscreen box).
2. Solder the resistors on R1 and R2 (any orientation).
3. Solder the 2-pin headers.
4. Cover the LEDs and unmasked area on the back with hot glue (provided at the Hardware Hacking Community).

BOARD/LED TYPE:



PARTS USED:

2x 1206 White LEDs  
2x 10 Ohm Resistors

PART OF SET:

Rings of Power -  
Badge 2 of 4

Scan For  
Assembly  
Instructions:



FRONT



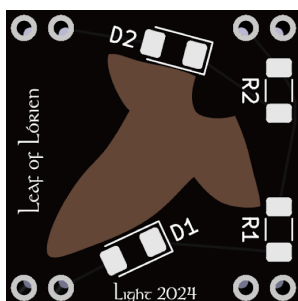
# PERSONAL MINIBADGE

## Leaf of Lórien

Designed By: Light

Elven brooches were given to all nine members of the Fellowship of the Ring and were used to fasten the hooded cloaks made for them by Galadriel. Each brooch was fashioned like a green leaf veined with silver.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

HOW DO I GET ONE?

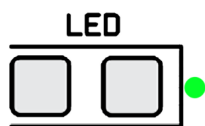
Trade or barter with me at the minibadge trading space.

### ASSEMBLY INSTRUCTIONS:

Please visit <https://sites.google.com/view/lights-minibadges> for instructions and images.

1. Solder the LEDs on D1 and D2 (green marking goes inside the silkscreen box).
2. Solder the resistors on R1 and R2 (any orientation).
3. Solder the 2-pin headers.
4. Cover the LEDs and unmasked area on the back with hot glue (provided at the Hardware Hacking Community).

BOARD/LED TYPE:



PARTS USED:

2x 1206 Green LEDs  
2x 10 Ohm Resistors

Scan For  
Assembly  
Instructions:



FRONT



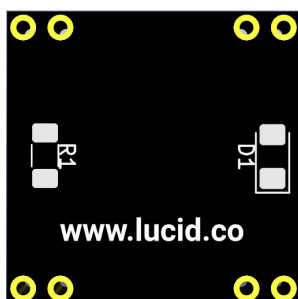
# PERSONAL MINIBADGE

Lucid

Designed By: Lucid

Members of the Lucid Security Team have been attending SaintCon for years and finally wanted to get into the action with our own MiniBadge.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

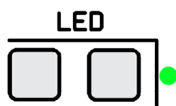
HOW DO I GET ONE?

Find a member of the Lucid Security Team strike up a conversation. We'd love to make a trade.

## ASSEMBLY INSTRUCTIONS:

- Place the orange LED on D1 (negative is on the bottom).
- Place the 66 Ohm resistor on R1

BOARD/LED TYPE:



PARTS USED:

FRONT



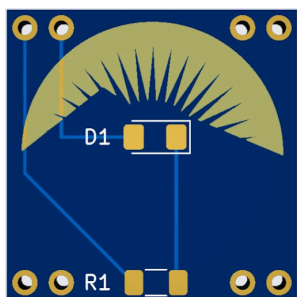
# PERSONAL MINIBADGE

## Provo City

Designed By: Master Mapper

Now that you are enjoying Saintcon in Provo, you definitely need to get one of these to add to your collection. This is part of the Provo City logo.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

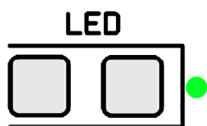
HOW DO I GET ONE?

Several people will have them to trade or give away, just ask. Some will also be at the Vault Challenge area.

### ASSEMBLY INSTRUCTIONS:

Solder the LED first, using the single pad method for hand soldering.  
Solder the resistor using the single pad method for hand soldering.  
Solder the Pin headers to the badge.

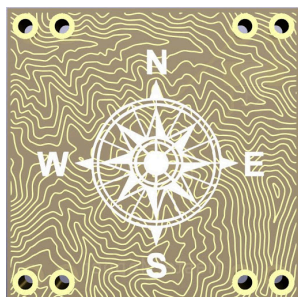
BOARD/LED TYPE:



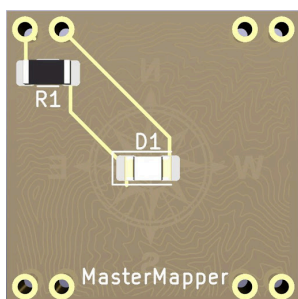
PARTS USED:

1206 LED Blue  
1206 Resistor 10R0  
FR4 PCB  
2-Pin Pin Headers

FRONT



BACK



# PERSONAL MINIBADGE

## Map Compass

Designed By: MasterMapper

I really like maps and thought this could be a fun one. Perhaps I will make is a series and a new map element every year.

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

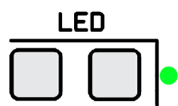
HOW DO I GET ONE?

Ask or trade

### ASSEMBLY INSTRUCTIONS:

- DO NOT SOLDER THESE LED's AT OVER 300 DEGREES CELSIUS OR THEY WILL MELT!
- Solder the LEDs first, using the single-pad method for hand soldering.
- Solder the resistor using the single-pad method for hand soldering.
- Solder the Pin Headers to the Badge.

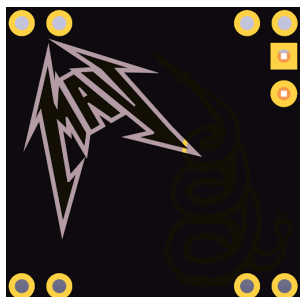
BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



# PERSONAL MINIBADGE

## Mav's Personal Badge 2024

Designed By: mav  
Say your prayers, little one.

BACK



DIFFICULTY:  
**BEGINNER**

RARITY:  
**UNCOMMON**

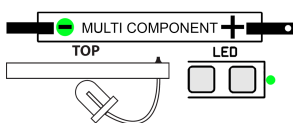
HOW DO I GET ONE?

Find mav at the Hardware Hacking Community,  
or drifting around the conference.

### ASSEMBLY INSTRUCTIONS:

- Solder resistor to R1
- Solder LED to D1. Short leg in square hole.
- Make sure you solder the surface mount part first.

BOARD/LED TYPE:



PARTS USED:

Scan For  
Assembly  
Instructions:



FRONT



# PERSONAL MINIBADGE

## Everybody Hacks

Designed By: mav

Not everyone can become a great hacker - but a great hacker \*can\* come from anywhere. And not only that, but we \*need\* as many great hackers with diverse experiences as we can get if we want to grow and be truly great as a group.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Find mav at the Hardware Hacking Community, or drifting around the conference.

RARITY:

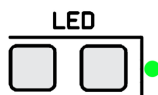
**UNCOMMON**

### ASSEMBLY INSTRUCTIONS:

- Solder resistor to R1
- Solder LED to D1.
- For the LED, Arrow should point toward (or green mark/indicator should be on) the OPEN end of the box, because I labeled it wrong. Whoops.
- Make sure you solder the surface mount parts first.

Additionally: Flashy LEDs are sensitive to overheat and electrostatic discharge. Make sure you're soldering at 330C or less. If something goes wrong with yours find mav, he has some spares.

BOARD/LED TYPE:



PARTS USED:

Scan For  
Assembly  
Instructions:





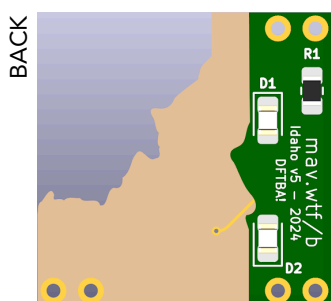


# PERSONAL MINIBADGE

## Idahack v5

Designed By: mav

I bet you think you know what Idaho's largest export is. Nope. Idaho's largest export, by dollar value, is technology, and it isn't even close.



DIFFICULTY:

INTERMEDIATE

HOW DO I GET ONE?

Find mav at the Hardware Hacking Community, or floating around the con.

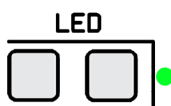
RARITY:

UNCOMMON

### ASSEMBLY INSTRUCTIONS:

- Solder resistor to R1
- When soldering the LEDs, please note:
  - LEDs are side mounted, meaning the lenses point parallel to the circuit board instead of toward the back/badge surface.
  - Align the green arrow on the LED pointing inside the box, or the indicator line/mark furthest into the box. Note that the arrows/indicators point toward the \*center\* of the two LED positions - the LEDs do not both go the same way.
- There are two variations of this badge, the Really, Really Freakin Bright version and the regular version. There are more of one than the other.

BOARD/LED TYPE:

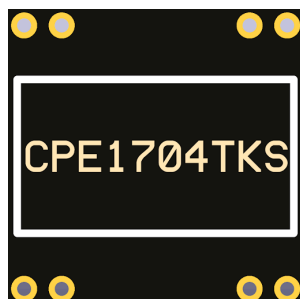


PARTS USED:

Scan For  
Assembly  
Instructions:



FRONT



# PERSONAL MINIBADGE

## A Nice Game Of Chess

Designed By: mav  
Is it a game, or is it real?

BACK



DIFFICULTY:  
**BEGINNER**

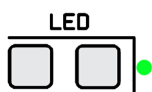
RARITY:  
**UNCOMMON**

HOW DO I GET ONE?  
Find mav at the Hardware Hacking Community, or floating around the con, and tell him what the password is.

### ASSEMBLY INSTRUCTIONS:

- Solder resistor to R1
- solder LED to D1. Diode indication: arrow should point into the box, or green indicator should go inside box.
- Make sure you solder the surface mount parts first.

BOARD/LED TYPE:

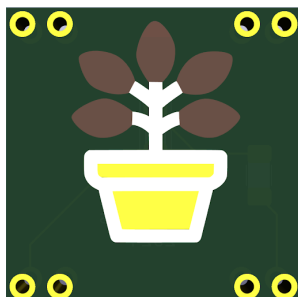


PARTS USED:

Scan For  
Assembly  
Instructions:



FRONT



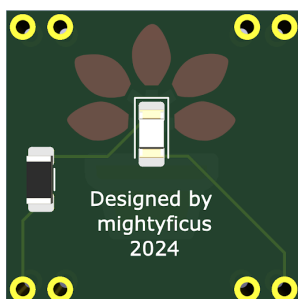
# PERSONAL MINIBADGE

## The Mightiest Ficus

Designed By: Mightyficus

This is my eponymous ficus, and the first badge I've ever designed. If you trade me with something cool, I'll give you a sticker too!

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me or Bribe me with something cool

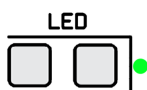
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

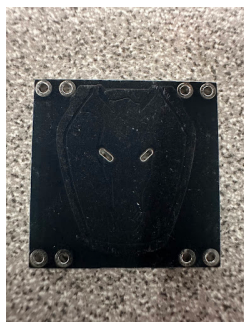
Solder using the single pad method. It will come with one green LED and one 51 Ohm resistor. The LED goes in the middle, and the resistor is on the side

BOARD/LED TYPE:

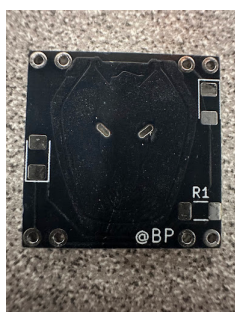


PARTS USED:

FRONT



BACK



# PERSONAL MINIBADGE

## Darkhorse Badge

Designed By: Mini BP

Badge celebrating the Mustang Dark Horse

DIFFICULTY:

**BEGINNER**

RARITY:

**UNCOMMON**

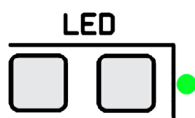
HOW DO I GET ONE?

Come find me and trade me. You'll likely find me around badge life or helping my Dad (full size BP). We look the same, and likely will have the same badges on us...so if you need the Mini or the Dark Horse ask us.

### ASSEMBLY INSTRUCTIONS:

Solder the resistor and LED's per the screenprint

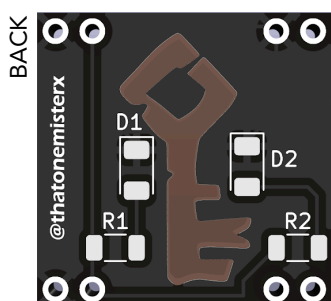
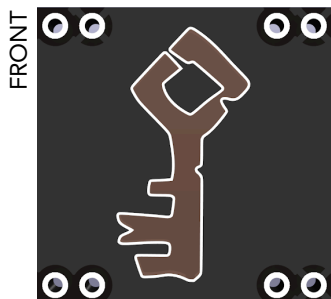
BOARD/LED TYPE:



PARTS USED:

PART OF SET:

BP Vehicles 2 of 3



# PERSONAL MINIBADGE

## Gold Hoarder Badge

Designed By: Mister X

Part of the Sea of Thieves minibadge set.

Have you wanted to gold on an adventure looting vaults and solving riddles to find buried chests? Consider representing the Gold Hoarders, a faction whose sole purpose is to swimming in wealth.

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

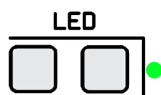
HOW DO I GET ONE?

Trade with me, or if you don't have a minibadge to trade, I'll be happy to give you one.

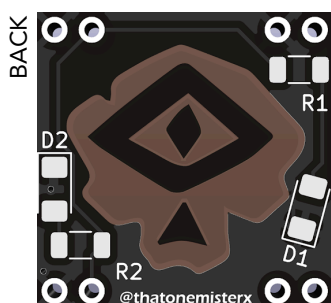
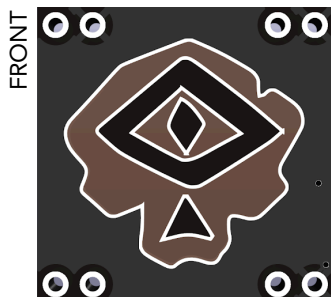
### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the two LEDs first, using the single-pad method for hand soldering.
- Solder the two Resistors using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers, with the Gold Hoarder artwork facing out.

BOARD/LED TYPE:



PARTS USED:



# PERSONAL MINIBADGE

## Order of Souls Badge

Designed By: Mister X

Part of the Sea of Thieves minibadge set.

Have you wanted to defeat skeletons and discover the secrets of an ancient past? Consider representing the Order of Souls where they are committed to uncovering the mysteries of a lost past.

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

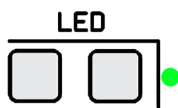
HOW DO I GET ONE?

Trade with me, or if you don't have a minibadge to trade, I will be happy to give you one for free.

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the two LEDs first, using the single-pad method for hand soldering.
- Solder the two Resistors using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers, with the Order of Souls artwork facing out.

BOARD/LED TYPE:

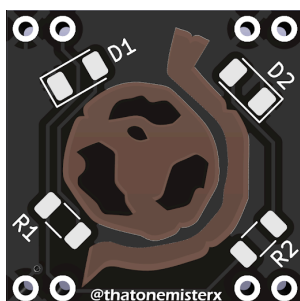


PARTS USED:

FRONT



BACK



# PERSONAL MINIBADGE

## Merchant Alliance Badge

Designed By: Mister X

Part of the Sea of Thieves minibadge set.

Have you ever longed for the thrill of protecting the precious cargo of the Crown? Consider joining the Merchant Alliance, whose prestige comes with the honor of keeping the cargo of the Crown out of the grasps of pirates.

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

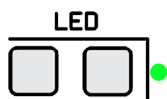
HOW DO I GET ONE?

Trade with me, or if you don't have a badge to trade, I'll be happy to give you the badge for free.

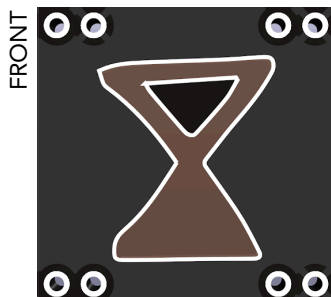
### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the two LEDs first, using the single-pad method for hand soldering.
- Solder the two Resistors using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers, with the Merchant Alliance artwork facing out.

BOARD/LED TYPE:



PARTS USED:



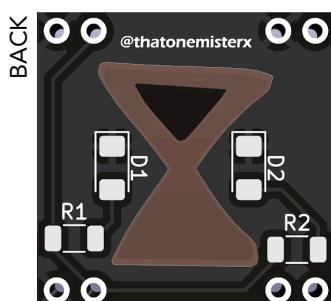
# PERSONAL MINIBADGE

## Reaper's Bones Badge

Designed By: Mister X

Part of the Sea of Thieves minibadge set.

Have you ever wanted to sink helpless vessels without any repercussions? Pledge yourself to the Reaper's Bones where they keep the pirate dream alive while fighting off the Pirate Lord's forces.



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

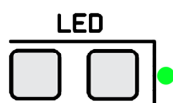
HOW DO I GET ONE?

Trade with me, or if you don't have a badge to trade, I'll be happy to give you the badge for free.

### ASSEMBLY INSTRUCTIONS:

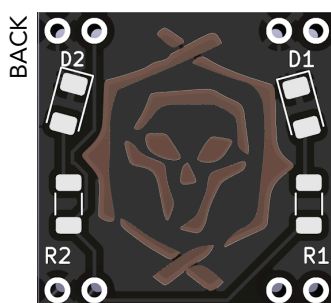
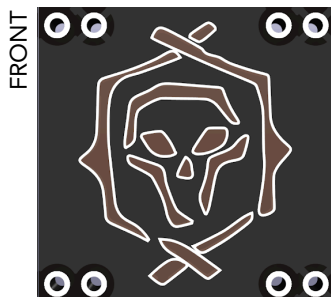
- Begin on the back side first.
- Solder the two LEDs first, using the single-pad method for hand soldering.
- Solder the two Resistors using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers, with the Reaper's Bones artwork facing out.

BOARD/LED TYPE:



PARTS USED:





# PERSONAL MINIBADGE

## Athena's Fortune Badge

Designed By: Mister X

Part of the Sea of Thieves minibadge set.

Do you feel like rising above the ranks of a normal swabbie to a Pirate Legend? After hitting level 50 in three different factions, become a Pirate Legend to liberate the seas from the Reaper's grasp.

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

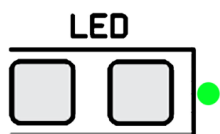
HOW DO I GET ONE?

Similar to the game, show me proof of completing three of the other faction badges, (Gold Hoarder, Order of Souls, Merchant Alliance, or Reaper's Bones), to receive this exclusive minibadge.

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the two LEDs first, using the single-pad method for hand soldering.
- Solder the two Resistors using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers, with the Athena's Fortune artwork facing out.

BOARD/LED TYPE:



PARTS USED:

FRONT



# PERSONAL MINIBADGE

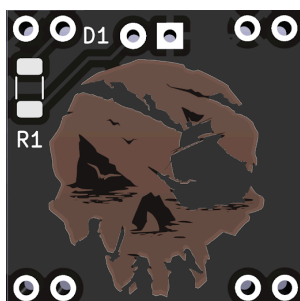
## Sea of Thieves Minibadge

Designed By: Mister X

Part of the Sea of Thieves minibadge set.

This is the official logo of my favorite game "Sea of Thieves" by Rare Ltd. I've played the game for almost four years and I've enjoyed it to the point I've dedicated an entire minibadge set to it.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

HOW DO I GET ONE?

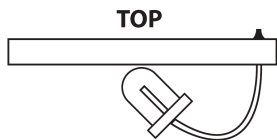
Trade with me, or if you don't have a badge to trade, I'll be happy to give you the badge for free.

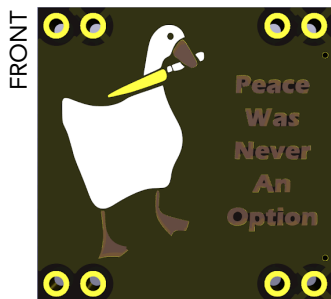
### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the two LEDs first, using the single-pad method for hand soldering.
- Solder the two Resistors using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers, with the Sea of Thieves artwork facing out.

BOARD/LED TYPE:

PARTS USED:



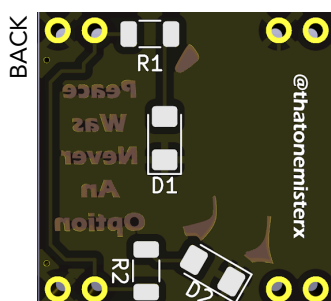


# PERSONAL MINIBADGE

## Peace Was Never an Option Badge

Designed By: Mister X

This minibadge was inspired by the game "Untitled Goose Game".



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

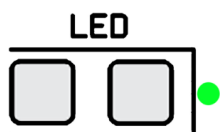
HOW DO I GET ONE?

Trade with me, or if you don't have a badge to trade, I'll be happy to give you the badge for free.

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the two LEDs first, using the single-pad method for hand soldering.
- Solder the two Resistors using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers, with the goose artwork facing out.

BOARD/LED TYPE:



PARTS USED:

FRONT



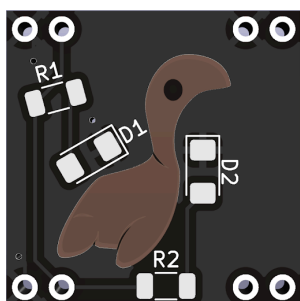
# PERSONAL MINIBADGE

## Nessie Badge

Designed By: Mister X

The inspiration for this minibadge came from the Nessie plush from Apex Legends. This is probably one of the cutest designs I've gotten to do.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

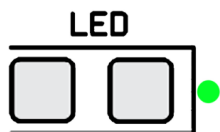
HOW DO I GET ONE?

Trade with me, or if you don't have any badges to trade, I would be glad to give you one for free.

### ASSEMBLY INSTRUCTIONS:

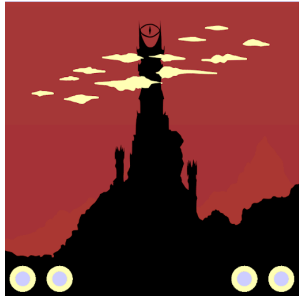
- Begin on the back side first.
- Solder the two LEDs first, using the single-pad method for hand soldering.
- Solder the two Resistors using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers, with the Nessie artwork facing out.

BOARD/LED TYPE:



PARTS USED:

FRONT



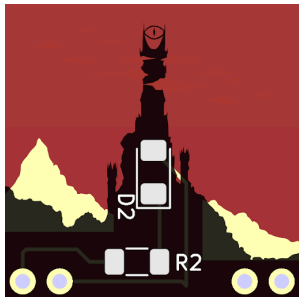
# PERSONAL MINIBADGE

## Barad Dur

Designed By: Moomoo

Barad Dur from Lord of the Rings. This features a dark tower with red leds and a misty mountain background. The image supplied is red to simulate the way it looks when lit up.

BACK



DIFFICULTY:

INTERMEDIATE

HOW DO I GET ONE?

Trade

RARITY:

RARE

### ASSEMBLY INSTRUCTIONS:

This is a simple single resistor and single red led.

BOARD/LED TYPE:

PARTS USED:



FRONT



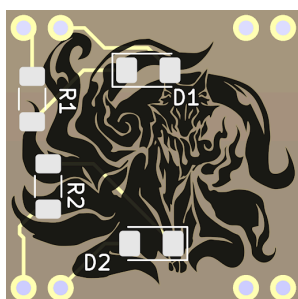
# PERSONAL MINIBADGE

## NineTailed Fox

Designed By: Moomoo

This is an evil depiction of a nine tailed fox. This badge features a red and blue led that clash in the middle to create a hue of purple.

BACK



DIFFICULTY:  
**BEGINNER**

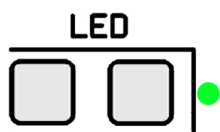
HOW DO I GET ONE?  
Trade

RARITY:  
**RARE**

### ASSEMBLY INSTRUCTIONS:

Simple smd led and resistor soldering

BOARD/LED TYPE:

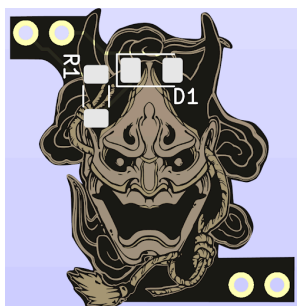


PARTS USED:

FRONT



BACK



#### ASSEMBLY INSTRUCTIONS:

Simple soldering of an smd led and resistor

# PERSONAL MINIBADGE

## Oni Mask

Designed By: Moomoo

Japanese inspired Oni mask that glows red. A little hot glue evens out the red glow across the whole badge.

DIFFICULTY:

**BEGINNER**

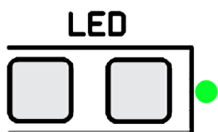
RARITY:

**RARE**

HOW DO I GET ONE?

Trade

BOARD/LED TYPE:



PARTS USED:

FRONT



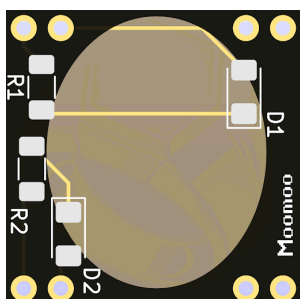
# PERSONAL MINIBADGE

## Narya - LOTR Ring of power

Designed By: Moomoo

Narya is one of the rings of power first given to the elves. Narya is described as having the power to inspire others to resist tyranny, domination and despair, as well as having the power (in common with the other Three Rings) to hide the wielder from remote observation (except by the wielder of the One) and giving resistance to the weariness of time.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade/ask

RARITY:

**RARE**

### ASSEMBLY INSTRUCTIONS:

Simple 2 smd led and resistor soldering

BOARD/LED TYPE:

**LED**



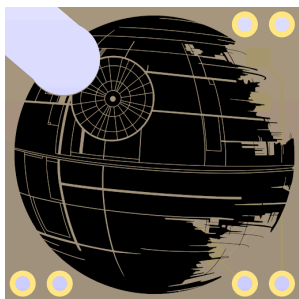
PARTS USED:

### PART OF SET:

Ring of power set  
3 of 4 (ask others  
for the other  
rings)



FRONT



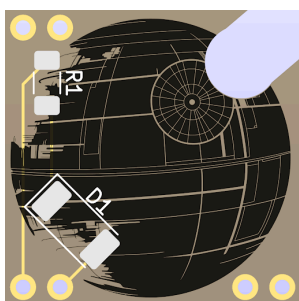
# PERSONAL MINIBADGE

## Deathstar Firing SuperLaser

Designed By: Moomoo

This is a first rendition of the Deathstar firing its superlaser. This features a long green led that has a shooting effect.

BACK



DIFFICULTY:

ADVANCED

HOW DO I GET ONE?

Not Available

RARITY:

SUPER RARE

### ASSEMBLY INSTRUCTIONS:

The shooting led is hot glued onto the back of the badge and connected to the large pad using very tiny wires.

BOARD/LED TYPE:

PARTS USED:



FRONT



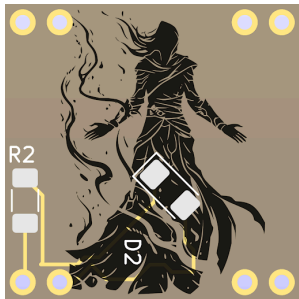
# PERSONAL MINIBADGE

## Smokey Dark Wizard

Designed By: Moomoo

This badge features a smokey dark wizard with a green led background.

BACK



DIFFICULTY:  
**BEGINNER**

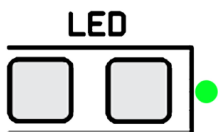
HOW DO I GET ONE?  
Trade

RARITY:  
**RARE**

### ASSEMBLY INSTRUCTIONS:

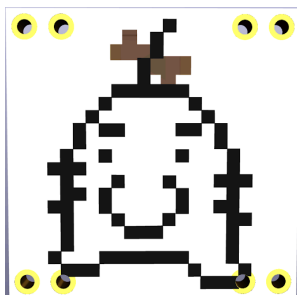
Simple smd led and resistor soldering

BOARD/LED TYPE:



PARTS USED:

FRONT



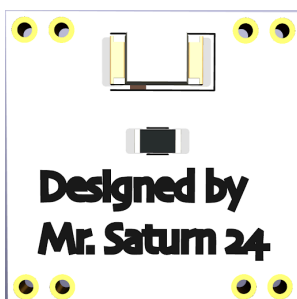
# PERSONAL MINIBADGE

## Mr. Saturn

Designed By: Mr. Saturn

Strange character from a classic video game; honored in badge form.

BACK



DIFFICULTY:

INTERMEDIATE

RARITY:

RARE

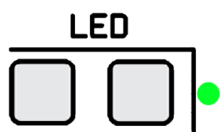
HOW DO I GET ONE?

Find me and trade me something

### ASSEMBLY INSTRUCTIONS:

The proper orientation of the LED is to have the solder tab with the clipped corner facing away from the closed end of the silkscreened box around the solder pads. To solder the LED you need to build up the solder on each pad to form little mounds.

BOARD/LED TYPE:



PARTS USED:

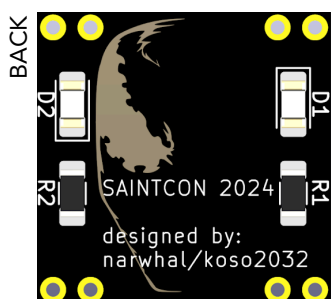


# PERSONAL MINIBADGE

## Spider-Man and Venom

Designed By: narwhal/koso2032

As a long-time Spider-Man fan, I've recently been drawn to the comics. I've been exploring the stories of Venom and Carnage, and the fascinating Spider-Man Venom combo that I experienced in Marvel's Spider-Man 2 video game. This journey into Spider-Man lore has been so captivating that it's even influenced my other hobbies, such as Lego and pinball machines and now with my first mini-badge.



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

HOW DO I GET ONE?

Trade/Ask. I work at UVU so anyone giving out UVU mini-badges will know how to get a hold of me.

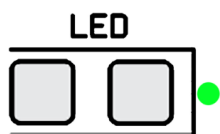
### ASSEMBLY INSTRUCTIONS:

56 ohm resistor goes on R1, LED with the green corner(or red sharpie on the front of the disposable LED packaging) goes into D1.

10 ohm resistor goes on R2, LED with the green line goes into D2.

White should flash through Venom's eye and red should be a solid color led on Spider-Man's side.

BOARD/LED TYPE:



PARTS USED:

FRONT



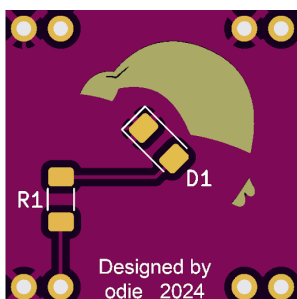
# PERSONAL MINIBADGE

## The Odie Badge (2024)

Designed By: odie

Is it like last year's badge? Yes. But it's now in my favorite color, so it's better!

BACK



DIFFICULTY:  
**BEGINNER**

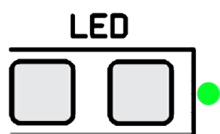
RARITY:  
**RARE**

HOW DO I GET ONE?  
Find odie throughout the con to trade.

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:

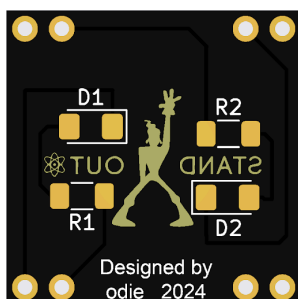


PARTS USED:

FRONT



BACK



# PERSONAL MINIBADGE

## A Goofy Movie: Stand Out Tour

Designed By: odie

Open up your eyes, take a look at me  
Get the picture fixed in your memory  
I'm driven by the rhythm like the beat of a heart  
And I won't stop until I start to stand out

Join me in my love of this movie with famous musician Powerline!

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

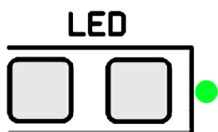
HOW DO I GET ONE?

Find odie throughout the con to trade.

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

FRONT



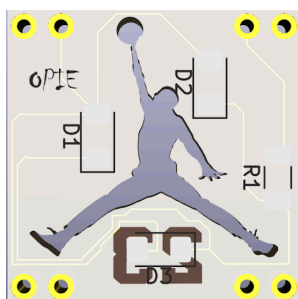
# PERSONAL MINIBADGE

## AirJordan Jumpman

Designed By: Opie

This is a tribute to the best basketball player of all time.

BACK



DIFFICULTY:

**INTERMEDIATE**

HOW DO I GET ONE?

Trade with me, or come and find me while they last.

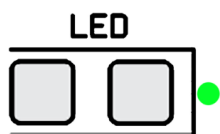
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

Please visit <https://sites.google.com/view/opie-saintcon-minibadges-2024> for instructions on how to assemble this badge.

BOARD/LED TYPE:



PARTS USED:

FRONT



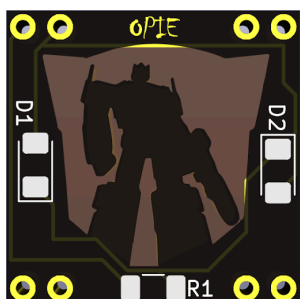
# PERSONAL MINIBADGE

## AutoBot Optimus Prime

Designed By: Opie

One of my favorite toys as a kid was Transformers. I know this dates me. Optimus Prime was one of my favorite Transformers.

BACK



DIFFICULTY:

INTERMEDIATE

HOW DO I GET ONE?

Trade with me, or come and find me while they last

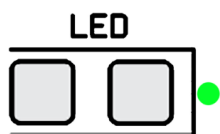
RARITY:

SUPER RARE

### ASSEMBLY INSTRUCTIONS:

Please visit <https://sites.google.com/view/opie-saintcon-minibadges-2024> for instructions on how to build this and my other minibadges.

BOARD/LED TYPE:



PARTS USED:



FRONT

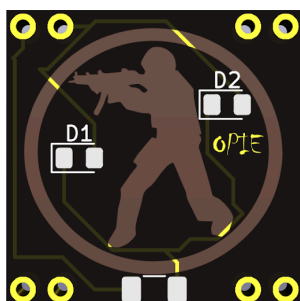


# PERSONAL MINIBADGE

## CounterStrike

Designed By: Opie  
CounterStrike is one of my favorite PC games.

BACK



DIFFICULTY:  
**INTERMEDIATE**

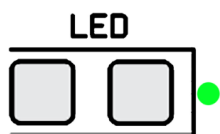
HOW DO I GET ONE?  
Trade with me or come and find me.

RARITY:  
**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

Please visit <https://sites.google.com/view/opie-saintcon-minibadges-2024> for instructions on how to build this and my other minibadges.

BOARD/LED TYPE:



PARTS USED:

FRONT



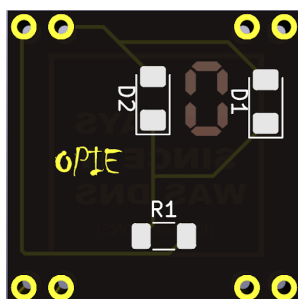
# PERSONAL MINIBADGE

## Always DNS

Designed By: Opie

The issue always relates to DNS!! At least it is always a DNS issue in my office :)

BACK



DIFFICULTY:

INTERMEDIATE

HOW DO I GET ONE?

Trade with me or come and find me

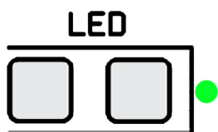
RARITY:

SUPER RARE

### ASSEMBLY INSTRUCTIONS:

Please visit <https://sites.google.com/view/opie-saintcon-minibadges-2024> for instructions on how to build this and my other minibadges.

BOARD/LED TYPE:

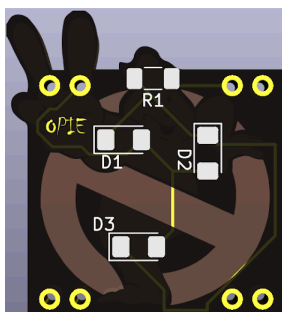


PARTS USED:

FRONT



BACK



#### ASSEMBLY INSTRUCTIONS:

Please visit <https://sites.google.com/view/opie-saintcon-minibadges-2024> for instructions on how to build this and my other minibadges.

# PERSONAL MINIBADGE

## GhostBusters 2

Designed By: Opie

Last year I designed the GhostBusters badge. This year I had to do the GhostBusters 2 badge.

DIFFICULTY:

INTERMEDIATE

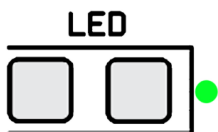
RARITY:

SUPER RARE

HOW DO I GET ONE?

Trade with me or come and find me.

BOARD/LED TYPE:



PARTS USED:

FRONT

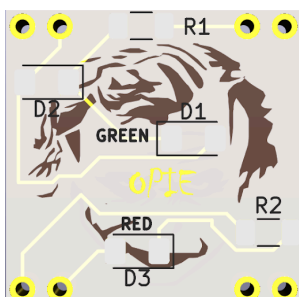


# PERSONAL MINIBADGE

## Joker

Designed By: Opie  
Why so Serious!!!

BACK



DIFFICULTY:  
**INTERMEDIATE**

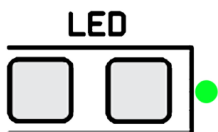
RARITY:  
**SUPER RARE**

HOW DO I GET ONE?  
Trade with me or come and find me.

### ASSEMBLY INSTRUCTIONS:

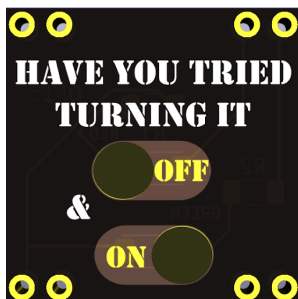
Please visit <https://sites.google.com/view/opie-saintcon-minibadges-2024> for instructions on how to build this and my other minibadges.

BOARD/LED TYPE:



PARTS USED:

FRONT



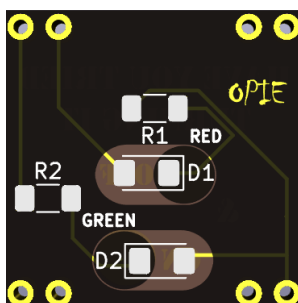
# PERSONAL MINIBADGE

## Power Cycle

Designed By: Opie

We all have had users saying things didn't work. This badge is designed for the easy fix.

BACK



DIFFICULTY:  
**INTERMEDIATE**

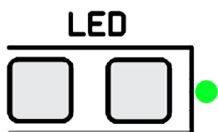
HOW DO I GET ONE?  
Trade with me or come and find me.

RARITY:  
**SUPER RARE**

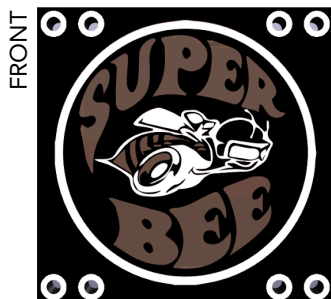
### ASSEMBLY INSTRUCTIONS:

Please visit <https://sites.google.com/view/opie-saintcon-minibadges-2024> for instructions on how to build this and my other minibadges.

BOARD/LED TYPE:



PARTS USED:

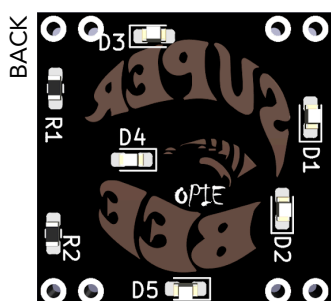


# PERSONAL MINIBADGE

## SuperBee

Designed By: Opie

This is for all the car fanatics especially muscle cars. This is the logo for the Dodge SupeBee and since I own a Dodge Charger SuperBee, (which is 1 of 425 cars made) I wanted to do a MiniBadge with this logo.



DIFFICULTY:

**ADVANCED**

HOW DO I GET ONE?

Trade with me or come and find me.

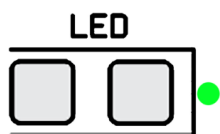
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

Please visit <https://sites.google.com/view/opie-saintcon-minibadges-2024> for instructions on how to build this and my other minibadges.

BOARD/LED TYPE:



PARTS USED:

FRONT

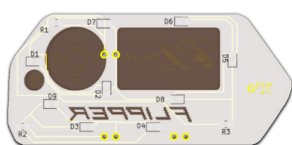


# PERSONAL MINIBADGE

## Flipper Zero

Designed By: Opie  
Here is a minibadge of the infamous Flipper Zero.

BACK



DIFFICULTY:  
**INTERMEDIATE**

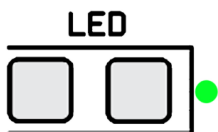
HOW DO I GET ONE?  
Trade with me.

RARITY:  
**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

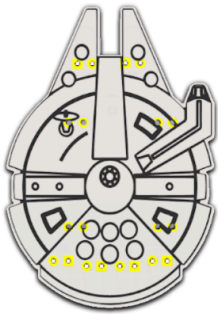
Please visit <https://sites.google.com/view/opie-saintcon-minibadges-2024> for instructions on how to build this and my other minibadges.

BOARD/LED TYPE:

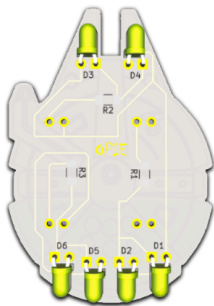


PARTS USED:

FRONT



BACK



# PERSONAL MINIBADGE

## Millennium Falcon

Designed By: Opie

I love StarWars and I wanted to make a StarWars badge. This is for the ship that made the Kessel Run in under 12 parsecs.

DIFFICULTY:

INTERMEDIATE

RARITY:

SUPER RARE

HOW DO I GET ONE?

Trade with me.

### ASSEMBLY INSTRUCTIONS:

Please visit <https://sites.google.com/view/opie-saintcon-minibadges-2024> for instructions on how to build this and my other minibadges.

BOARD/LED TYPE:

PARTS USED:





FRONT



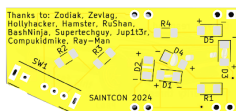
# PERSONAL MINIBADGE

## Mach1

Designed By: PB&J

I love sports & muscle cars & most things that go fast. I also like to keep data safe. I just wish that I could drive to the scene of every data-security breach or file restoration event that I have to deal with in a car as awesome as a '72 Mach1.

BACK



DIFFICULTY:

INTERMEDIATE

HOW DO I GET ONE?

Find me & trade something, tell me about your favorite car, whether you ever owned that one or not.

RARITY:

RARE

### ASSEMBLY INSTRUCTIONS:

Watch my video first.

Solder the 750 Ohm resistors and then the 221 Ohm, then the 51 Ohm resistor. Now, solder D1 and D2 (orange LEDs) upside down, then the white ones (D3 & D4), also upside down. Then, solder D5 (it should be marked w/orange on the back of the package) either on its' side or right side up and run a bead of hot glue from D5 to both rectangles (the grill lights) between D3 & D4. Next, solder the switch with the slide pointing away from the PCB on the back side of the PCB. Lastly, solder the pins in place & enjoy! <https://youtu.be/oGxkVmTob0I>

BOARD/LED TYPE:



PARTS USED:

PCB - 1, Switch - 1 LED, white, size 1206 - 2 (D3, D4)  
LED, orange, size 0805 - 2 (D1, D2)  
LED, orange, size 1206 - 1 (D5)  
Resistor, 751 Ohm - 2 (R1, R4)  
Resistor, 221 Ohm - 1 (R2), Resistor, 51 Ohm - 1 (R3)

PART OF SET:

not yet??

FRONT



# PERSONAL MINIBADGE

## MASH

Designed By: PB&J

This time inspiration came from someone else, Mike's Wife. She may have been joking, but since I've been watching M\*A\*S\*H since I was in Jr. High, there was NO way I couldn't do this.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

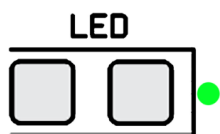
HOW DO I GET ONE?

Find me & trade something, tell me about your favorite episode or scene from MASH or your favorite TV show.

### ASSEMBLY INSTRUCTIONS:

Solder the LED to the pads on the left side (when looking at back of the badge) then solder the resistor to the pads on the right side. Make sure the LED is oriented correctly! Solder the pins in place. If the LED is too bright for you, replace the 100 Ohm resistor w/ a 200 to 750 Ohm resistor.

BOARD/LED TYPE:



PARTS USED:

1-PCB, 1-1206 red LED; 1- 1206 100 Ohm resistor

PART OF SET:

No

FRONT



# PERSONAL MINIBADGE

## Porsche

Designed By: PB&J

Likely the only part of a Porsche I'll ever be able to afford! My apologies to all those who know that orange isn't a 'REAL Porsche' color. The prototype board allowed too much light to bleed through and I thought that copper under red would make the red solder-mask look brighter, shinier AND solve the light issue, I was wrong. :(

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

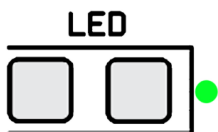
HOW DO I GET ONE?

I will trade one of these for: a mini badge; extender; story about your favorite car; food; cash.

### ASSEMBLY INSTRUCTIONS:

Solder resistor (on the right-hand side of the PCB), then the LED (in the center of the PCB) and then the pins.

BOARD/LED TYPE:



PARTS USED:

PCB - Qty. 1:

red 1206 LED - Qty. 1:

100 Ohm resistor - Qty. 1: (may be substituted w/ a higher value)

PART OF SET:

not this year

FRONT



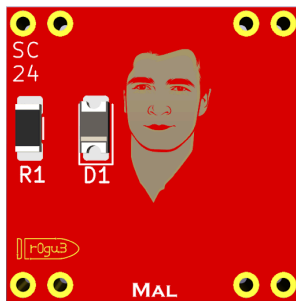
# PERSONAL MINIBADGE

## Firefly Characters - Mal

Designed By: r0gu3bull3t

This series is the five main characters of Firefly and Serenity and one of their main sayings.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Find and ask me. I'll probably be found mostly at the soldering tables.

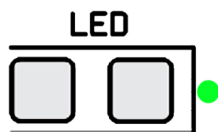
RARITY:

**SUPER RARE**

ASSEMBLY INSTRUCTIONS:

<https://youtu.be/LOxQQyjk5us?si=4UaMkQ6Y8lJ5xgel>

BOARD/LED TYPE:



PARTS USED:

1206 White SMD LED  
1206 100 ohm resister

PART OF SET:

Firefly Set: 1 of 5

FRONT



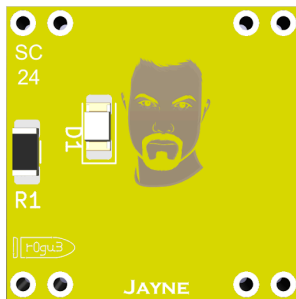
# PERSONAL MINIBADGE

## Firefly Characters- Jayne

Designed By: r0gu3bull3t

This series is the main characters of Firefly and Serenity, and one of their main sayings.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

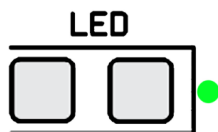
HOW DO I GET ONE?

Find and ask me. I'll most likely be found at the soldering tables.

ASSEMBLY INSTRUCTIONS:

[https://youtu.be/LOxQQyjk5us?si=6Wb5h8m\\_NPUtdFab](https://youtu.be/LOxQQyjk5us?si=6Wb5h8m_NPUtdFab)

BOARD/LED TYPE:



PARTS USED:

1206 White SMD LED  
1206 100 ohm resistor

PART OF SET:

Firefly Set: 2 of 5

FRONT



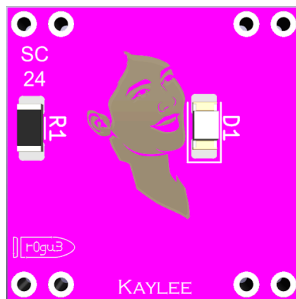
# PERSONAL MINIBADGE

## Firefly Characters - Kaylee

Designed By: r0gu3bull3t

This series is the main characters of Firefly and Serenity, and one of their main sayings.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Find and ask me. I'll most likely be found at the soldering tables.

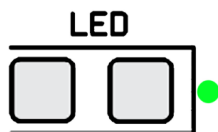
RARITY:

**SUPER RARE**

ASSEMBLY INSTRUCTIONS:

[https://youtu.be/LOxQQyjk5us?si=6Wb5h8m\\_NPUtdFab](https://youtu.be/LOxQQyjk5us?si=6Wb5h8m_NPUtdFab)

BOARD/LED TYPE:



PARTS USED:

1206 White SMD LED  
1206 100 ohm resistor

PART OF SET:

Firefly Set: 3 of 5

FRONT



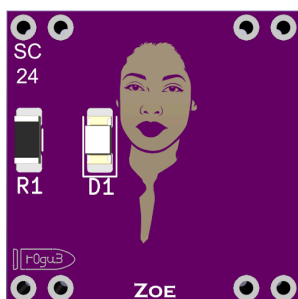
# PERSONAL MINIBADGE

## Firefly Characters - Zoe

Designed By: r0gu3bull3t

This series is the main characters of Firefly and Serenity, and one of their main sayings.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

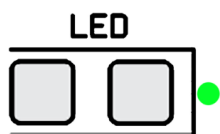
HOW DO I GET ONE?

Find and ask me. I'll most likely be found at the soldering tables.

ASSEMBLY INSTRUCTIONS:

[https://youtu.be/LOxQQyjk5us?si=6Wb5h8m\\_NPUtdFab](https://youtu.be/LOxQQyjk5us?si=6Wb5h8m_NPUtdFab)

BOARD/LED TYPE:



PARTS USED:

1206 White SMD LED  
1206 100 ohm resistor

PART OF SET:

Firefly Set: 4 of 5

FRONT



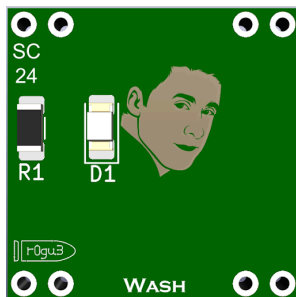
# PERSONAL MINIBADGE

## Firefly Characters - Wash

Designed By: r0gu3bull3t

This series is the main characters of Firefly and Serenity, and one of their main sayings.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

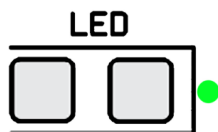
HOW DO I GET ONE?

Find and ask me. I'll most likely be found at the soldering tables.

ASSEMBLY INSTRUCTIONS:

[https://youtu.be/LOxQQyjk5us?si=6Wb5h8m\\_NPUtdFab](https://youtu.be/LOxQQyjk5us?si=6Wb5h8m_NPUtdFab)

BOARD/LED TYPE:



PARTS USED:

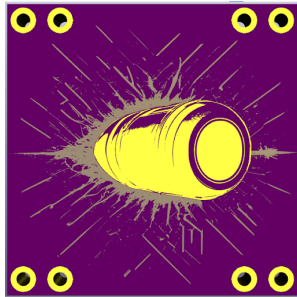
1206 White SMD LED  
1206 100 ohm resistor

PART OF SET:

Firefly Set: 5 of 5



FRONT



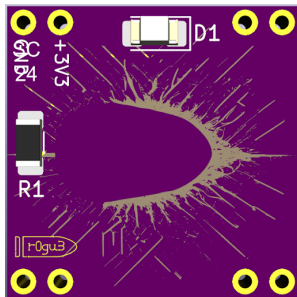
# PERSONAL MINIBADGE

r0gu3bull3t

Designed By: r0gu3bull3t

As I was playing with AI images, I wanted to see what it would do with my handle, and this is what I got.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

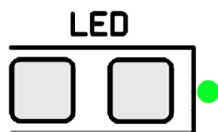
HOW DO I GET ONE?

Find me and trade with me. I'll most likely be found around the soldering tables.

ASSEMBLY INSTRUCTIONS:

<https://youtu.be/wicf6ZMceFc?si=vkghcsEwGdktfjLo>

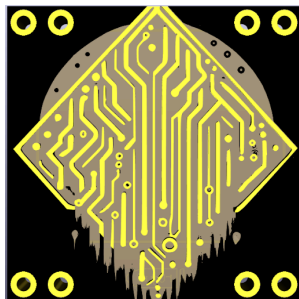
BOARD/LED TYPE:



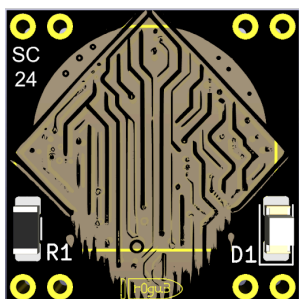
PARTS USED:

1206 White SMD LED  
1206 100 ohm resistor

FRONT



BACK



# PERSONAL MINIBADGE

## Cool AI Circuit

Designed By: r0gu3bull3t

I love the look of circuits and wanted to see what AI would do with it and this is what I got.

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

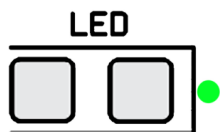
HOW DO I GET ONE?

Find me and trade with me. I'll probably be found mostly at the soldering tables.

ASSEMBLY INSTRUCTIONS:

[https://youtu.be/FmxTN\\_F7AR8?si=p2iZqkfz4n0NwzeS](https://youtu.be/FmxTN_F7AR8?si=p2iZqkfz4n0NwzeS)

BOARD/LED TYPE:



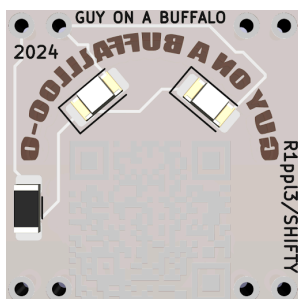
PARTS USED:

1206 White SMD LED  
1206 100 ohm resistor

FRONT



BACK



# PERSONAL MINIBADGE

## Guy on a Buffaloo-o Minibadge

Designed By: R1ppl3/SHIFTY

Tribute minibadge to "The guy on the buffalo." (If you know you know. If you dont know, scan the QR code on the back of the badge, so you can know.)

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

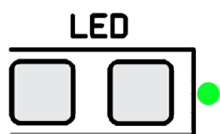
HOW DO I GET ONE?

Find R1ppl3 and trade or barter for one of these gems.

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

Scan For  
Assembly  
Instructions:



FRONT



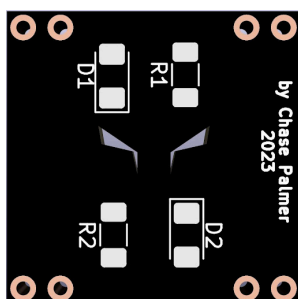
# PERSONAL MINIBADGE

Is that a wolf?

Designed By: RaideR6672

This is a re-print of my badge from last year. Just a design I came up with for fun.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

HOW DO I GET ONE?

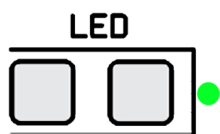
Come and find me and offer me a trade. HINT:  
I'm bald with a long red beard.

## ASSEMBLY INSTRUCTIONS:

- Blue LEDs go in D1 & D2.
- 5 Ohm resistors go in R1 and R2.

TIP: If you lose a resistor or two, you can just bridge the pads.

BOARD/LED TYPE:



PARTS USED:

FRONT



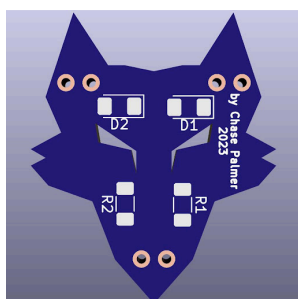
# PERSONAL MINIBADGE

Yeah, I'm pretty sure that's a wolf

Designed By: RaideR6672

This is a re-print of my badge from last year. Just a design I came up with for fun.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Come and find me and offer me a trade. HINT:  
I'm bald with a long red beard.

RARITY:

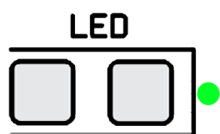
**SUPER RARE**

## ASSEMBLY INSTRUCTIONS:

- Blue LEDs go in D1 & D2.
- 5 Ohm resistors go in R1 and R2.

TIP: If you lose a resistor or two, you can just bridge the pads.

BOARD/LED TYPE:

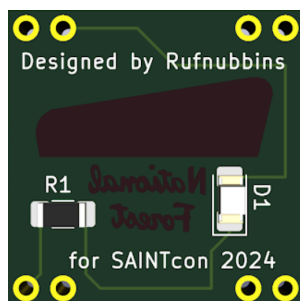


PARTS USED:

FRONT



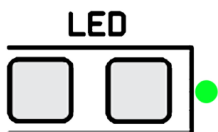
BACK



#### ASSEMBLY INSTRUCTIONS:

Solder the resistor and the LED to the back of the badge according to the silkscreen. Solder on legs. Take a moment to imagine that fresh piney scent because the PCB sure don't actually smell like that.

BOARD/LED TYPE:



PARTS USED:

# PERSONAL MINIBADGE

## Active Directory National Forest

Designed By: Rufnubbins

Did you know the highest level logical container in Microsoft Active Directory is a forest? Did you know that National Forests ARE GREAT? Now you can show off your knowledge of BOTH these things in one minibadge! Great for those who would rather be in the mountains but instead have to make authentication work.

DIFFICULTY:

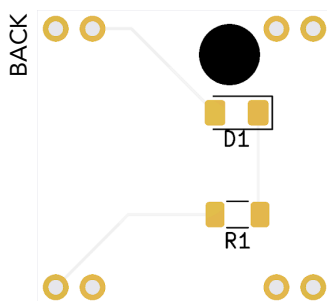
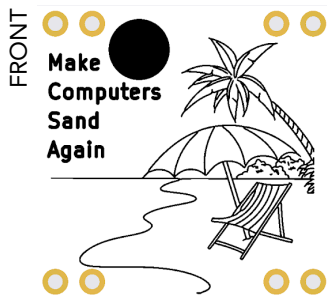
### BEGINNER

RARIETY:

### RARE

HOW DO I GET ONE?

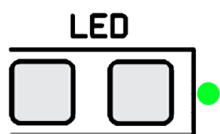
Find Nubbins and ask. Or maybe he'll find you.  
Trades preferred but not required.



#### ASSEMBLY INSTRUCTIONS:

Solder the LED and resistor. Solder the legs. Reflect on whether you like sand or not, and if you feel it's course and rough and irritating.

BOARD/LED TYPE:



PARTS USED:

# PERSONAL MINIBADGE

## Make Computers Sand Again

Designed By: Rufnubbins

A minibadge for those who'd prefer to be outside. Let's let the sand be sand and stop making it think.

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

HOW DO I GET ONE?

Ask Rufnubbins to trade. Or if he'll give you one.

FRONT



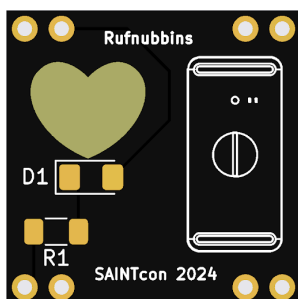
# PERSONAL MINIBADGE

## Professional Mac Love

Designed By: Rufnubbins

Do you have a Mac Pro? Would you Like a Mac Pro? Have you ever wondered if a Mac Pro can grate cheese? Are you an Apple fanperson? Do you like to make fun of Apple fanpeople? If you answered any of these questions, this is the badge for you!

BACK



DIFFICULTY:  
**BEGINNER**

RARITY:  
**RARE**

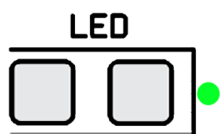
HOW DO I GET ONE?

Talk with Rufnubbins about your views on Apple products, especially \$6,000 base price workstations.

### ASSEMBLY INSTRUCTIONS:

Solder things to the board, hopefully according to the notations. It's just so intuitive.

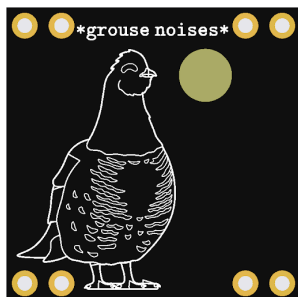
BOARD/LED TYPE:



PARTS USED:



FRONT



# PERSONAL MINIBADGE

## Grouse Noises

Designed By: Rufnubbins

Grouse are delicious. I highly recommend eating them.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

HOW DO I GET ONE?

Talk with Rufnubbins. Trade with Rufnubbins.  
Hunt with Rufnubbins.

### ASSEMBLY INSTRUCTIONS:

Solder resistor to R1. Solder LED to D1. Solder legs. Go outside.

BOARD/LED TYPE:

**LED**



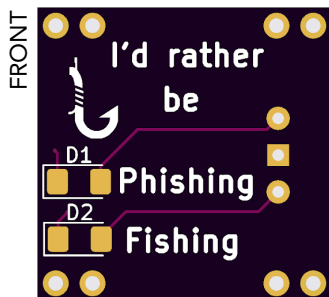
PARTS USED:

NO FEATHERS REQUIRED

### PART OF SET:

Part II: Game  
animal noises.

Part I: 2023  
featured "Elk  
Noises".

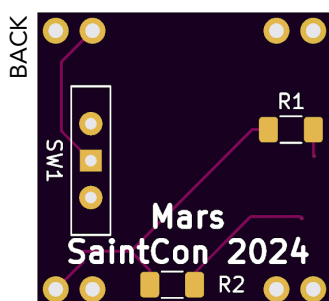


# PERSONAL MINIBADGE

## Sink the Hook

Designed By: Rufnubbins

Designed for attendee Mars: For those who can't decide if they'd rather be relaxing next to some water or committing cyber crimes. This minibadge features a switch so you can signal to others your current mindset!



DIFFICULTY:  
**INTERMEDIATE**

RARITY:  
**RARE**

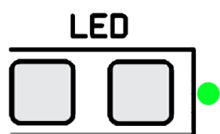
HOW DO I GET ONE?

You'll have to figure out how to get in touch with Mars. They might be on Discord. They might not. Good luck!

### ASSEMBLY INSTRUCTIONS:

There are 2 colors of LED. The green LED goes with the 68R0 resistor, the blue with the 27R0 resistor. R1 matches with D1, and R2 matches with D2. It doesn't matter which color is next to which Ph(f)ishing, so you'll have to make that choice! Solder up the LEDs and Resistors. The switch is designed to go on the underside of the badge, but will function if mounted to front. Solder on the legs. Go phishing. Or fishing.

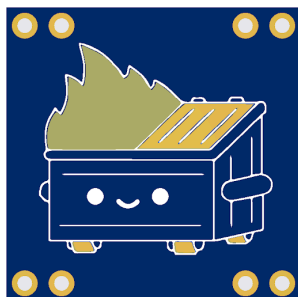
BOARD/LED TYPE:



PARTS USED:

Fish oil. Lots and lots of fish oil.

FRONT

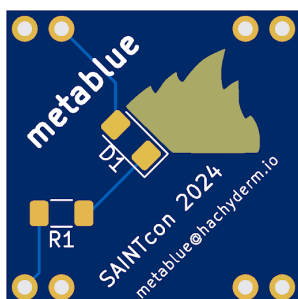


# PERSONAL MINIBADGE

## Dumpster Fire

Designed By: Rufnubbins  
MetaBlue's spirit animal.

BACK



DIFFICULTY:  
**BEGINNER**

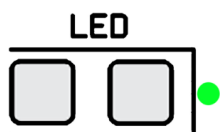
RARITY:  
**RARE**

HOW DO I GET ONE?  
Give hottest take of any kind to MetaBlue. Or  
trade. Or both! Let the crazy out!

### ASSEMBLY INSTRUCTIONS:

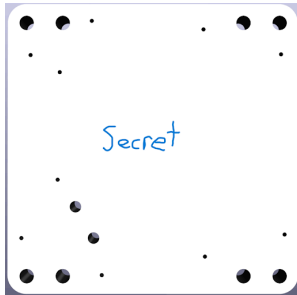
ctrl+c, ctrl+v

BOARD/LED TYPE:

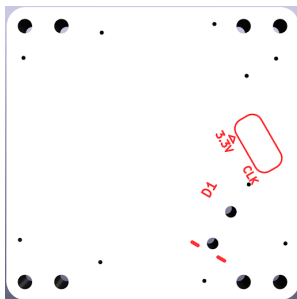


PARTS USED:  
99% Snark, 1% asbestos!

FRONT



BACK



# PERSONAL MINIBADGE

## 2024 Butterfly

Designed By: RuShan

This is my yearly butterfly minibadge with a fun 3D print addition.

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

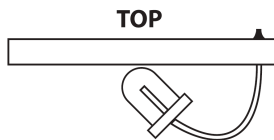
HOW DO I GET ONE?

Talk to me for a trade or added as a bonus for supporting other projects

ASSEMBLY INSTRUCTIONS:

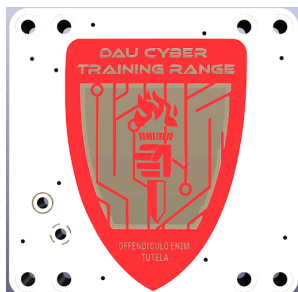
<https://www.youtube.com/@Herushan1>

BOARD/LED TYPE:



PARTS USED:

FRONT



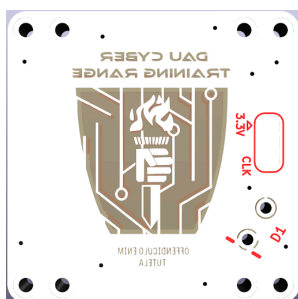
# PERSONAL MINIBADGE

## DAU Cyber Training Range

Designed By: RuShan

Minibadge for the DAU Cyber Enterprise Team of instructors of our range.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Attending my talk or member of the DoD and 4th Estate (have under 50 total)

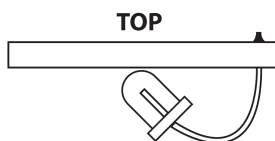
RARITY:

**SUPER RARE**

ASSEMBLY INSTRUCTIONS:

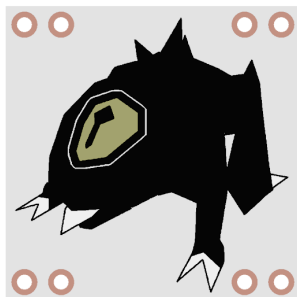
[www.youtube.com/@Herushan1](http://www.youtube.com/@Herushan1)

BOARD/LED TYPE:



PARTS USED:

FRONT



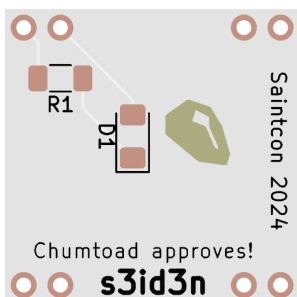
# PERSONAL MINIBADGE

## Chumtoad

Designed By: s3id3n

This minibadge pays homage to the Chumtoad, a creature from the Half-Life video game series! Chumtoads are considered to be "cut content" from the game, having been scrapped before the game's final release. They are friendly to humans, and one of my personal favorite fauna from the game. Bonus: This is my first minibadge design!

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade.

RARITY:

**UNCOMMON**

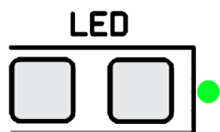
### ASSEMBLY INSTRUCTIONS:

Use single pad method to solder on surface mount components.

Attach 1206 SMD Resistor to R1.

Attach Red 1206 SMD LED to D1, green facing the inside of the box.

BOARD/LED TYPE:



PARTS USED:

FRONT



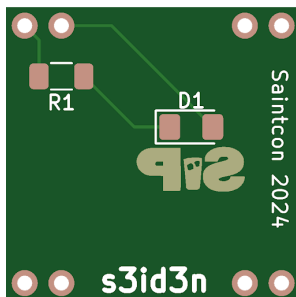
# PERSONAL MINIBADGE

## SIP Club

Designed By: s3id3n

Panera Bread could be singlehandedly attributed to motivating my friends and I enough to succeed during our finals. Their "SIP Club" membership allows for unlimited free access to their lineup of drinks, fueling us to study for hours on end.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade.

RARITY:

**UNCOMMON**

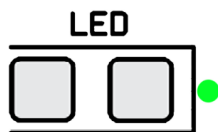
### ASSEMBLY INSTRUCTIONS:

Use single pad method to solder on surface mount components.

Attach 1206 SMD Resistor to R1.

Attach Pink 1206 SMD LED to D1, green facing the inside of the box.

BOARD/LED TYPE:



PARTS USED:

FRONT



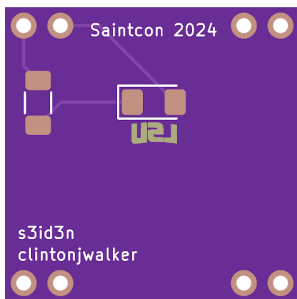
# PERSONAL MINIBADGE

## Mike the Tiger

Designed By: s3id3n and clintonjwalker

Mike the Tiger is the mascot of LSU. Mascot Mike can be seen around the LSU campus at various sporting and social events. The real Mike is a Bengal Tiger who lives on the LSU campus. The current reigning tiger is Mike VII, who moved to LSU in 2017.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade.

RARITY:

**UNCOMMON**

### ASSEMBLY INSTRUCTIONS:

Use single pad method to solder on surface mount components.

Attach 1206 SMD Resistor to the pads with the two lines.

Attach Yellow 1206 SMD LED to the pads with the box, green facing the inside of the box.

BOARD/LED TYPE:

PARTS USED:

**LED**





FRONT



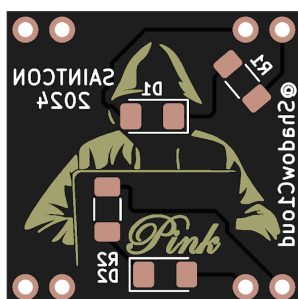
# PERSONAL MINIBADGE

## On Wednesdays We Wear Pink!

Designed By: ShadowC1oud

I enjoy standing out in a crowd and being bold enough to wear pink. Hoping this badge could be fun for others who enjoy their uniqueness, or common interest in the color Pink.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

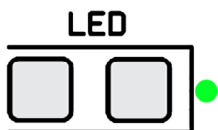
HOW DO I GET ONE?

Find me, I'll be wearing pink. Trade with me, or wear something pink. Bonus points if you wear pink on Wednesday!

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LEDs first, using the single-pad method for hand soldering.
- Solder the resistor using the single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:

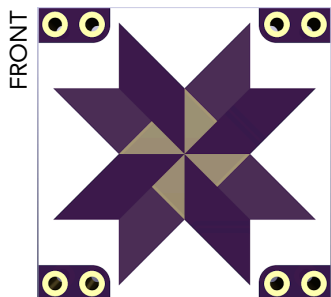


PARTS USED:

2 x 1206 0 ohm resistors

(<https://www.aliexpress.us/item/3256805933290218.html>)

2 x 1206 3v Pink LED (<https://www.aliexpress.us/item/2251832152852349.html>)

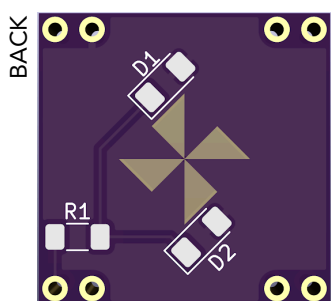


# PERSONAL MINIBADGE

## Quilt Block

Designed By: shector

My wife is a quilter and I thought it would be fun to make a badge inspired by her talents. She picked a quilt block, I turned it into a badge, and you can have one.



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me.

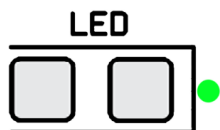
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

Solder the two LEDs in the spaces marked D1 and D2 using the Single Pad method. Solder the resistor in the space marked R1 using the Single Pad method. Solder on the header pins. The resistor will go in the bottom right when plugging in the badge.

BOARD/LED TYPE:



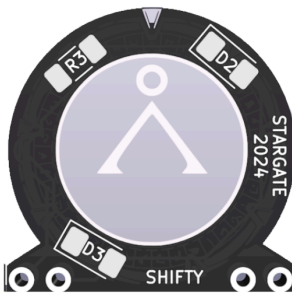
PARTS USED:

2x 1206 Green LEDs.  
1x 1206 51R Resistor

FRONT



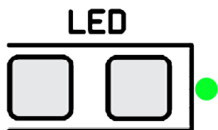
BACK



#### ASSEMBLY INSTRUCTIONS:

Solder the SMD LED's and Resistors using the single pad soldering method.

BOARD/LED TYPE:



# PERSONAL MINIBADGE

## STARGATE Portal

Designed By: SHIFTY  
Stargate Portal from the classic series.

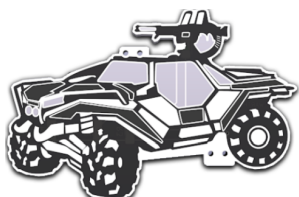
DIFFICULTY:  
**INTERMEDIATE**

RARITY:  
**SUPER RARE**

HOW DO I GET ONE?  
Trade or Barter for one of these.

PARTS USED:  
1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT

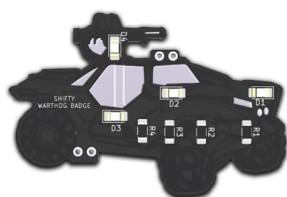


# PERSONAL MINIBADGE

## Warthog v2

Designed By: SHIFTY  
Halo Warthog blacked out edition.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

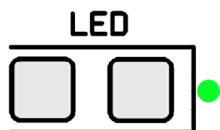
HOW DO I GET ONE?

Trade or Barter for one of these

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LEDs first, using the single-pad method for hand soldering.  
(The single LED in your packet is multicolor and goes on the gun.)
- Solder the Resistors using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

PART OF SET:

HALO SET

FRONT

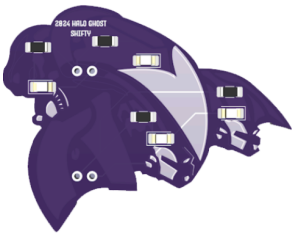


# PERSONAL MINIBADGE

## Halo GHOST Minibadge

Designed By: SHIFTY  
Ghost vehicle from the Halo Video Game.

BACK



DIFFICULTY:  
**BEGINNER**

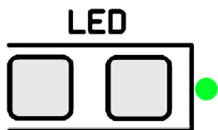
RARITY:  
**SUPER RARE**

HOW DO I GET ONE?  
Trade or barter for one of these

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LEDs first, using the single-pad method for hand soldering. (The single LED in your packet goes on the back. The two packed together are for the guns.)
- Solder the Resistors using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

PART OF SET:

HALO SET

FRONT



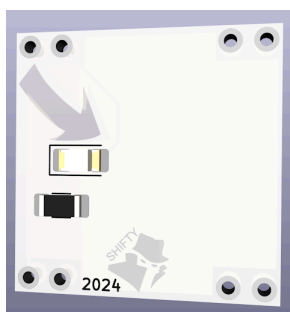
# PERSONAL MINIBADGE

## Wicked Awesome Minibadge

Designed By: SHIFTY

Did you wonder if there was going to be a wicked awesome minibadge at Saintcon this year? Well.... Here it is. Right in front of you. While supplies last.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

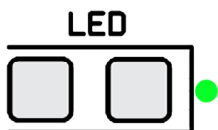
HOW DO I GET ONE?

Come up and say, "So... I heard you have a WICKED AWESOME MINIBADGE!" And you will be one of the few people cool enough to get one.

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

FRONT



# PERSONAL MINIBADGE

## CHUNK GOONIES Minibadge

Designed By: SHIFTY

Chunk is a longrunning fan of the Goonies.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

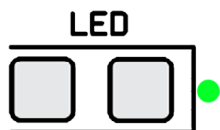
HOW DO I GET ONE?

Ask him for a piece of the treasure!

### ASSEMBLY INSTRUCTIONS:

- Begin on the back side first.
- Solder the LED(s) first, using the single-pad method for hand soldering.
- Solder the Resistor(s) using the same single-pad method for hand soldering.
- Solder the 4x 2-Position headers.

BOARD/LED TYPE:



PARTS USED:

1206 LED  
1206 RESISTOR  
FR4 PCB  
2-Pin Pin Headers

## Minions Kevin


Even the 5 year old in our house knows what a minibadge is. When the 5 year old asks why their isn't a Minion minibadge in dads collection. He had to correct that problem.

INTERMEDIATE

RARE

Find Hollyhacker, Trade, Ask me , speak  
minionese , discord ...

Basic SMD Pad Soldering, I marked it as intermediate because there is quite a few pieces

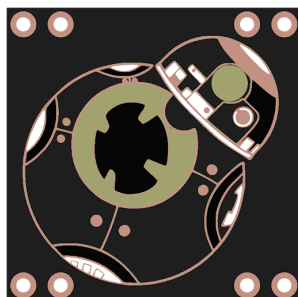


LED

You would think yellow made sense but it looks better with white because of the yellow coloring of the board



FRONT



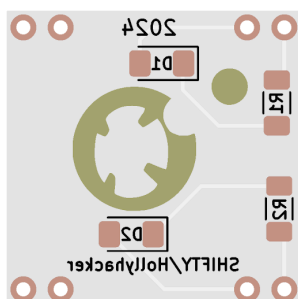
# PERSONAL MINIBADGE

BB-8

Designed By: SHIFTY/Hollyhacker

Who better than our amazing robot friend who rolls around with ease to bring encouragement and support to our lives.

BACK



DIFFICULTY:  
**BEGINNER**

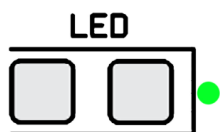
HOW DO I GET ONE?  
Find SHIFTY/Hollyhacker

RARITY:  
**RARE**

ASSEMBLY INSTRUCTIONS:

Basic SMD Soldering Pad Method

BOARD/LED TYPE:



PARTS USED:

1206 100R Resistors

1206 Orange LED

This badge has 2 colors Black or White PCB

FRONT



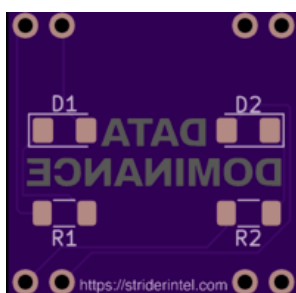
# PERSONAL MINIBADGE

## Strider1

Designed By: Skimice

I have wanted to learn how to make MiniBadges for years and I finally decided to take the time to learn how. I made three different badges this year that are all tied to my work. That way I could get the help of our design department and have them be work funded!

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me

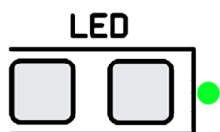
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

This a very simple badge, attach the resistors, attach the diodes, and attach the headers. Light up and enjoy.

BOARD/LED TYPE:



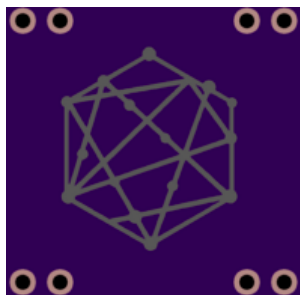
PARTS USED:

2 orange leds  
2 resistors  
4 header pins  
1 MiniBadge

PART OF SET:

Strider Set 1

FRONT



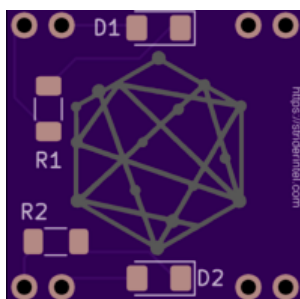
# PERSONAL MINIBADGE

## Strider2

Designed By: Skimice

Second company badge my team made for our company.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me

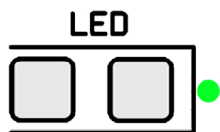
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

Very simple badge, leds are the same color and resistors are the same for both leds. Just attach the diodes, resistors, and headers.

BOARD/LED TYPE:



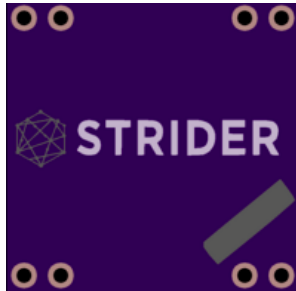
PARTS USED:

Two Diodes  
Two Resistors  
4 Header pins  
1 PCB Board

PART OF SET:

Strider Set 2

FRONT



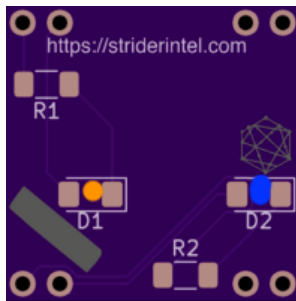
# PERSONAL MINIBADGE

## Strider 3

Designed By: skimice

This is the third badge that my team made for our company. Simple badge with two different colors of diodes.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me

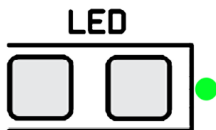
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

This is a very simple badge 2 diodes, 2 resistors and 4 pin headers. Only thing to call out is orange diode uses resistor with label: 222.  
blue diode uses resistor with label: 103

BOARD/LED TYPE:



PARTS USED:

- 1 orange diode
- 1 resistor for orange diode (labeled 222)
- 1 blue diode
- 1 resistor for blue diode (labeled 103)
- 4 pin headers
- 1 PCB board.

FRONT

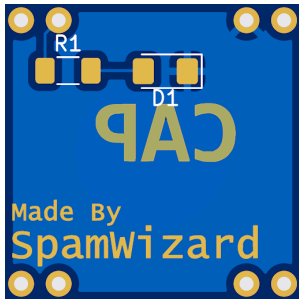


# PERSONAL MINIBADGE

## Cap

Designed By: Spam  
It's some slang.

BACK



DIFFICULTY:  
**BEGINNER**

RARITY:  
**RARE**

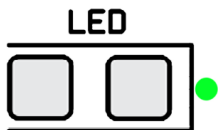
### HOW DO I GET ONE?

Find me and mention minibadges, I'll ask you to use CAP in a sentence. Then if you get it wrong, I make fun of you, then laugh, then give you both this one and boomer.

### ASSEMBLY INSTRUCTIONS:

Install the resistors, Then install the led's Green side in the bracket, Then install header pins.

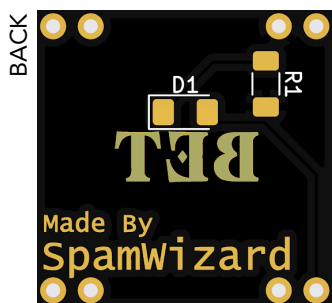
BOARD/LED TYPE:



PARTS USED:

PART OF SET:

Slang Set- 1 of 5



# PERSONAL MINIBADGE

## Bet

Designed By: Spam  
Don't go gamble your life savings....

DIFFICULTY:  
**BEGINNER**

RARITY:  
**RARE**

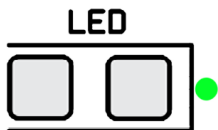
### HOW DO I GET ONE?

Find me and mention minibadges, I'll ask you to use bet in a sentence. Then if you get it wrong, I make fun of you then laugh then give you both this one and boomer.

### ASSEMBLY INSTRUCTIONS:

Install resistors, Then install led's, Install the header pins.

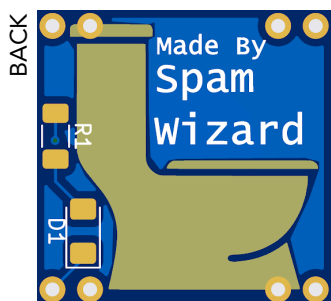
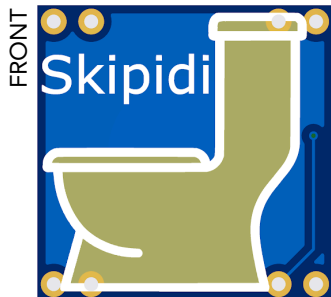
### BOARD/LED TYPE:



### PARTS USED:

### PART OF SET:

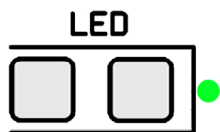
Slang Set- 2 of 5



#### ASSEMBLY INSTRUCTIONS:

Install resistors, then led's, then pins

BOARD/LED TYPE:



PART OF SET:

Slang Set- 3 of 5

# PERSONAL MINIBADGE

## Skipidi

Designed By: Spam  
Toilet

DIFFICULTY:  
**BEGINNER**

RARITY:  
**RARE**

#### HOW DO I GET ONE?

Find me and mention minibadges, I'll ask you to use skipidi in a sentence. Then if you get it wrong, I make fun of you then laugh then give you both this one and boomer.

FRONT



# PERSONAL MINIBADGE

Ohio

Designed By: Spam  
A state

BACK



DIFFICULTY:  
**BEGINNER**

RARITY:  
**RARE**

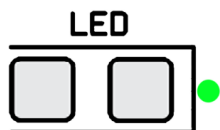
HOW DO I GET ONE?

Find me and mention minibadges, I'll ask you to use bet in a sentence. Then if you get it wrong, I make fun of you then laugh then give you both this one and boomer.

ASSEMBLY INSTRUCTIONS:

Resistor, Led, Pins, In that order.

BOARD/LED TYPE:



PARTS USED:

PART OF SET:

Slang Set- 4 of 5



FRONT

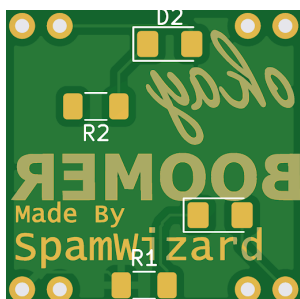


# PERSONAL MINIBADGE

## Okay BOOMER

Designed By: Spam  
If you need to ask... You are one....

BACK



DIFFICULTY:  
**BEGINNER**

RARITY:  
**RARE**

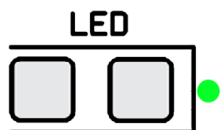
### HOW DO I GET ONE?

Find me and mention minibadges, I'll ask you to use slang in a sentence. Then if you get it wrong, I make fun of you then laugh then give you both this one.

### ASSEMBLY INSTRUCTIONS:

Resistors, Led (The led on the top is broken. If you would like to find and use a bodge wire be my guest) pins

BOARD/LED TYPE:



PARTS USED:

PART OF SET:

Slang Set- 5 of 5

FRONT



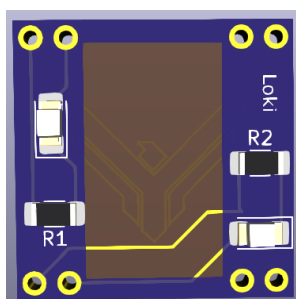
# PERSONAL MINIBADGE

## House of Atreides

Designed By: SpawnOfHeaven

Personally I wanted to make something from the movie Dune. I thought there would be enough symbols and images unique enough to make a mini-badge out of it so I decided to pick the House of Atreides shield. The symbol is clean and has a strong presence by it self so it made for a cool idea and badge.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me.

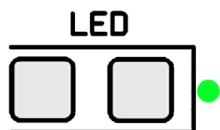
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

There are two resistors and two LEDs total. Simply solder the resistor (e.g., R1) on the first copper pad labeled 'R1' on the back of the board. Second, solder the second resistor (e.g., R2) on the copper pad labeled 'R2' on the back of the board. Once completed, you can then solder the LEDs on to the back of the board with their corresponding labels (e.g., LED).

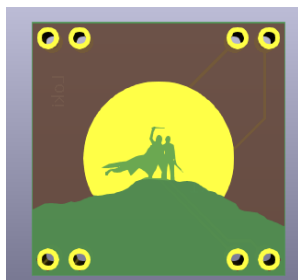
BOARD/LED TYPE:



PARTS USED:

Resistors, LEDs, PCB Board, Mount Headers

FRONT



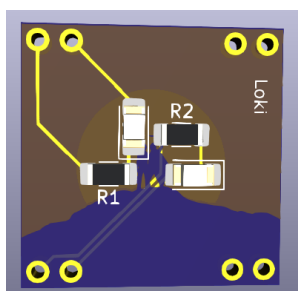
# PERSONAL MINIBADGE

## Dune

Designed By: SpawnOfHeaven

I wanted to submit badges to SaintCon that related to each other so I made multiple badges relating to Dune. I thought some of the images from the movie would make for some cool mini-badges so I went for it.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me.

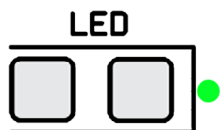
RARITY:

**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

There are a total of two resistors and two LEDs. On the back of the board, you will want to place the first resistor on the copper pads labeled 'R1'. Second you will want to place the final resistor on the other copper pads labeled 'R2'. The two remaining pairs of copper pads without labels are for LEDs.

BOARD/LED TYPE:



PARTS USED:

Resistors, LEDs, PCB board, Mount Headers.

FRONT



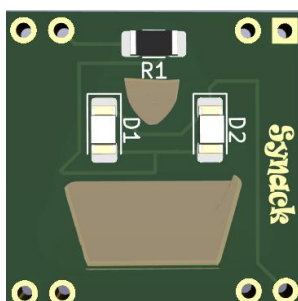
# PERSONAL MINIBADGE

## Hacker

Designed By: SynAck

Thought it would be a cool badge to create.

BACK



### ASSEMBLY INSTRUCTIONS:

None

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

HOW DO I GET ONE?

[Message Me](#)

BOARD/LED TYPE:

**LED**



PARTS USED:

None

FRONT



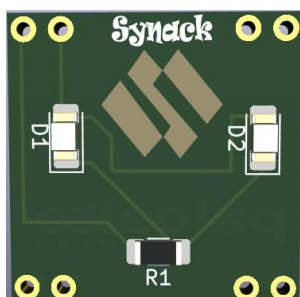
# PERSONAL MINIBADGE

## Palo Alto

Designed By: SynAck

Thought it would be nice to see Palo Alto represented here.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

[Message Me](#)

RARITY:

**SUPER RARE**

ASSEMBLY INSTRUCTIONS:

None

BOARD/LED TYPE:

**LED**



PARTS USED:

None

FRONT



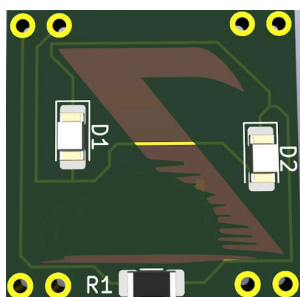
# PERSONAL MINIBADGE

## 370 Z Trans

Designed By: SynAck

I thought this would be a cool car badge

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

HOW DO I GET ONE?

Contact me

ASSEMBLY INSTRUCTIONS:

None

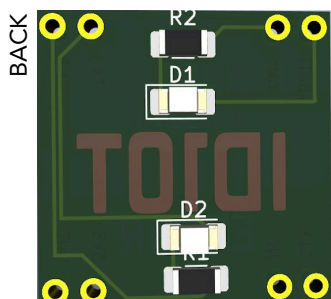
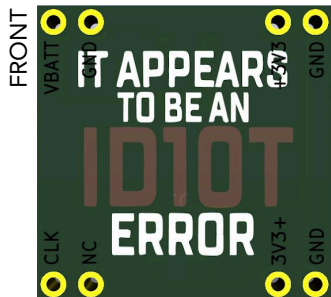
BOARD/LED TYPE:

**LED**



PARTS USED:

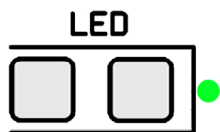
None



#### ASSEMBLY INSTRUCTIONS:

None

BOARD/LED TYPE:



# PERSONAL MINIBADGE

## ID10T Error

Designed By: SynAck

After being in IT for many years, I still hear people say this.

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

HOW DO I GET ONE?

Contact me on Discord

PARTS USED:

FRONT



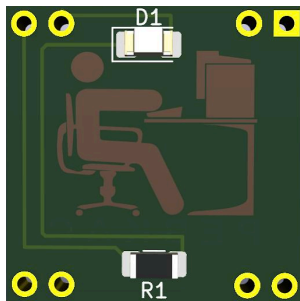
# PERSONAL MINIBADGE

## PEBCAC

Designed By: SynAck

After being in IT for many years, I still hear people say this.

BACK



DIFFICULTY:  
**BEGINNER**

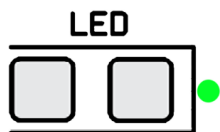
HOW DO I GET ONE?  
Contact me on Discord

RARITY:  
**RARE**

### ASSEMBLY INSTRUCTIONS:

None

BOARD/LED TYPE:



PARTS USED:



FRONT



# PERSONAL MINIBADGE

## USU Big Blue

Designed By: tacocat  
The USU Big Blue logo in minibadge form

BACK



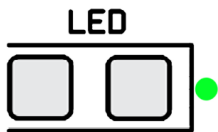
DIFFICULTY:  
**BEGINNER**

HOW DO I GET ONE?  
Trade with me

RARITY:  
**SUPER RARE**

ASSEMBLY INSTRUCTIONS:

BOARD/LED TYPE:



PARTS USED:

FRONT



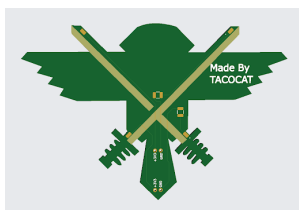
# PERSONAL MINIBADGE

## The Great Owl

Designed By: tacocat

Designed this for a friend and thought I'd do a very limited run of it for saintcon. This is a big minibadge 100x80 mm.

BACK



DIFFICULTY:

INTERMEDIATE

HOW DO I GET ONE?

Trade with me

RARITY:

SUPER RARE

### ASSEMBLY INSTRUCTIONS:

For the filaments the dots on the board line up with the holes on the solderable part of the filaments. I will include a 10 and 100 ohm resistor with these and you can do either one depending on how bright you want the swords to be.

BOARD/LED TYPE:

PARTS USED:



FRONT



# PERSONAL MINIBADGE

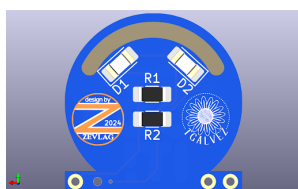
## BookIt!

Designed By: TGalvez & Zevlag

Your guide to a free personal pizza!

The badge has nice effect as the two RGB are desynchronized and rainbow.

BACK



DIFFICULTY:

INTERMEDIATE

HOW DO I GET ONE?

Available on Tuesday. Find TGalvez or Zevlag.  
Tell us the book you most recently read.

RARITY:

UNCOMMON

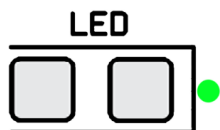
### ASSEMBLY INSTRUCTIONS:

Please visit <https://minibadges.zevlag.com/buildguides/Zevlag-Minibadges-2024.pdf> for the most updated and prettiest presentation of these instructions.

#### ASSEMBLY INSTRUCTIONS:

- Begin on the Back side.
- LED direction indicators are on the image above, and on the board with a box shape.
- Solder the 2 resistors first. R1 = 10  $\Omega$  (1206) R2 = 75  $\Omega$  (1206)
- Solder the 2 LEDs next. D1, D2 = 0807 RGB Slow Flash LED
- Solder the 2x 2-Position headers on the Front side

BOARD/LED TYPE:



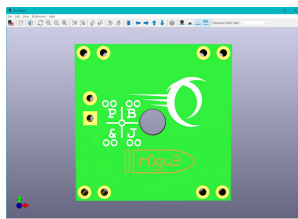
PARTS USED:

R1 = 10  $\Omega$  (1206)  
R2 = 75  $\Omega$  (1206)  
D1, D2 = RGB Slow Flash LED (0807)

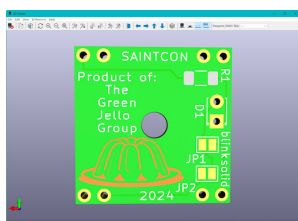
Scan For  
Assembly  
Instructions:



FRONT



BACK



# PERSONAL MINIBADGE

## Green Jello Badge

Designed By: The Green Jello Group

From the beginning, this mini badge was designed to give everyone a 'taste' of Utah-culture (this is NOT real Jello, DO NOT eat it). You can't call yourself a real Utahn until you've had green Jello with carrot shavings (you don't have to like it, just try it!). So, the next time you're at a family (or a friends' family) party, you can tell grandma you already got some green Jello! And if you end up not liking carrots in green Jello, at least you'll have the soft, green glow of this mini badge to fall asleep to!

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

HOW DO I GET ONE?

- 1- Do some social engineering to find out who the awesome members of the Green Jello Group are;
- 2 - Trade, buy, bribe, flatter one of the GJG members until he/she gives-in.

### ASSEMBLY INSTRUCTIONS:

Solder resistor to pads marked "R1" then insert the LED into the hole and bend the leads to fit into the Holes marked "D1" (shortest lead goes into the "square" hole), if you have to, trim the leads so that they don't stick out beyond the front side of the PCB. Next, place a bead of solder across either of ( NOT BOTH sets) the pads marked "JP1" or "JP2". Now, solder the pins into the holes at each corner.

If your jello cube comes off the PCB, please find r0gu3bull3t and she'll glue it back on.

Assembly Video: <https://youtu.be/uolf8lIEO5c?si=cyxh3ek0L54pKwCP>

BOARD/LED TYPE:



PARTS USED:

PCB w/ Jello square; one SMD resistor (100 Ohm); one 3mm, green, THT LED; eight header pins.

Scan For  
Assembly  
Instructions:



FRONT



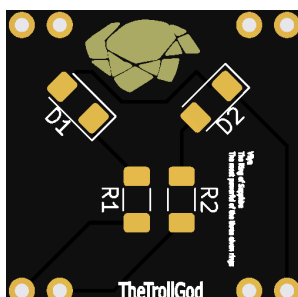
# PERSONAL MINIBADGE

## Vilya

Designed By: TheTrollGod

Vilya, also known as the Ring of Sapphire, the Blue Ring, or the Ring of Air, was one of the Rings of Power made by the Elves of Eregion. It was one of the Three Rings of the Elves created by Celebrimbor, along with Narya and Nenya.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade or barter with me at the minibadge trading space.

RARITY:

**RARE**

### ASSEMBLY INSTRUCTIONS:

Match the resistor colors and LED colors together. Make sure to group the colors to one side or the other I.E. Green highlighted components are soldered to the left side pads

BOARD/LED TYPE:

PARTS USED:

**LED**



PART OF SET:

Rings of Power  
Badge 3 of 4

FRONT



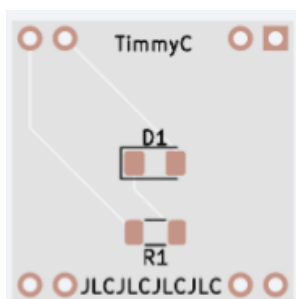
# PERSONAL MINIBADGE

JJohnson

Designed By: Timmy C

This is my first badge I have attempted. I also wanted to dedicate it to one my favorite movies, that most guys love and most wives dislike.

BACK



DIFFICULTY:

**BEGINNER**

HOW DO I GET ONE?

Trade with me

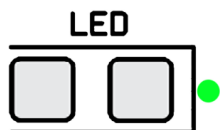
RARITY:

**SUPER RARE**

## ASSEMBLY INSTRUCTIONS:

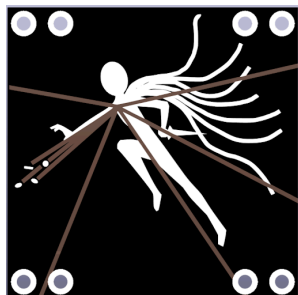
Solder the LEDs first, using the single-pad method for hand soldering.  
Solder the resistor using the single-pad method for hand soldering.  
Solder the Pin Headers to the Badge.

BOARD/LED TYPE:



PARTS USED:

FRONT



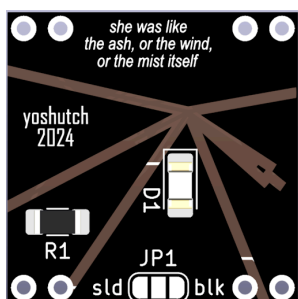
# PERSONAL MINIBADGE

## Mistborn

Designed By: yoshutch

A Mistborn steel-pushing through the dark misty night sky. Fan art (my first attempt) based off of the best-selling novel "Mistborn: The Final Empire" by Brandon Sanderson.

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

HOW DO I GET ONE?

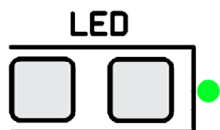
Give me a quote from one of Brandon Sanderson's novels.

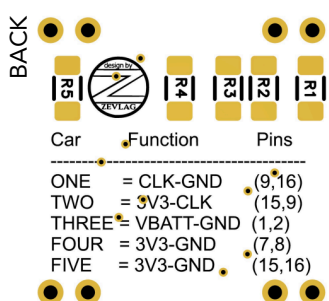
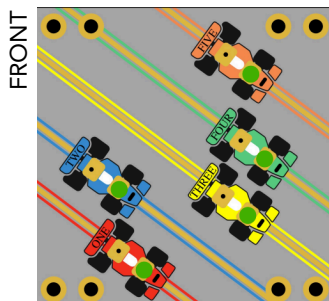
### ASSEMBLY INSTRUCTIONS:

1. Solder the resistor into the R1 slot
2. Solder the LED into the D1 slot
3. For the jumper JP1 slot: connect with solder the a) "sld" to the middle cell for a solid light (constantly burning steel to see the allomantic blue lines), or the b) "blk" to the middle cell for a blinking light (periodically burning steel to see the allomantic blue lines). DON'T connect all three.
4. Solder the header pins (2 for each corner)
5. (optional) Put a blob of hot glue over the LED to diffuse the light more directly through the allomantic lines

BOARD/LED TYPE:

PARTS USED:





### ASSEMBLY INSTRUCTIONS:

Begin on the Back side. Solder the 5 Resistors First.

R1 = 130  $\Omega$  (1206) for Red LED

R2 = 51  $\Omega$  (1206) for Blue LED

R3 = 220  $\Omega$  (1206) for Yellow LED

R4 = 51  $\Omega$  (1206) for Green LED

R5 = 51  $\Omega$  (1206) for Orange LED

- Solder the 5 LEDs on the front next.

Car ONE = D1 = 0805 Red LED

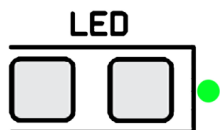
Car TWO = D2 = 0805 Blue LED

Car THREE = D3 = 0805 Yellow LED

Car FOUR = D4 = 0805 Green LED

Car FIVE = D5 = 0805 Orange LED

BOARD/LED TYPE:



PARTS USED:

# PERSONAL MINIBADGE

## Slot Car Tester

Designed By: Zevlag

Meet the Slot Car Tester!! Have you ever assembled a 10 x 10 board, populate it, then a have a few minibadges not light up? "I wonder what pins did I mess up? Why isn't this thing working?" This badge tests each possible set of power pins and indicates if they are getting power. Now you can know if that minibadge extender doesn't support the clock pin, or if you have a bad solder joint on a ground pin.

DIFFICULTY:

INTERMEDIATE

RARITY:

UNCOMMON

HOW DO I GET ONE?

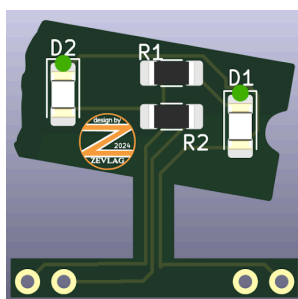
Available on Thursday. Find TGalvez or Zevlag, and trade or barter. you've learned while troubleshooting something.



FRONT



BACK



# PERSONAL MINIBADGE

## Rental Giant-BlockBuster

Designed By: Zevlag

In the realm of rentals, two giants stood tall, Blockbuster and Redbox, both destined to fall. Once a bright beacon, Blockbuster's reign, With shelves full of movies, it brought joy and pain. Redbox emerged with its kiosks aglow, Offering movies for just a dollar to go, No lines to endure, A movie in minutes, No late fees looming imminent. Now both are but whispers of times long gone by, So tell me dear reader, as we bid them adieu, Which rental experience did you cherish most true? You must pick just one.

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

HOW DO I GET ONE?

Available on Friday. Find TGalvez or Zevlag. Tell them your choice and suggest something to add to their "To Watch" list.

### ASSEMBLY INSTRUCTIONS:

- Begin on the Back side.
  - LED Direction indicators are on the image above, and on the PCB with box icon.
  - Solder the 2 resistors first.
- R1 = 22  $\Omega$  (1206) for Warm White LEDs
- Solder the 2 LEDs next.
- D1, D2 = 0805 Warm White LEDs
- Solder the 2x 2-Position headers on the Front side.

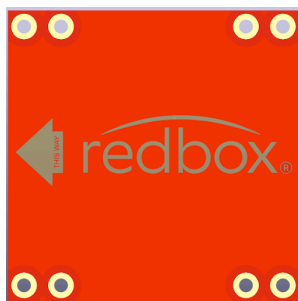
BOARD/LED TYPE:

PARTS USED:

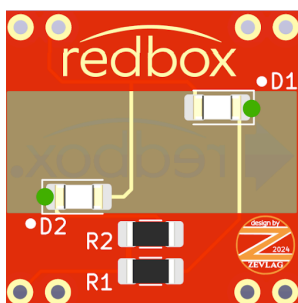
**LED**



FRONT



BACK



#### ASSEMBLY INSTRUCTIONS:

- Begin on the Back side.
- LED Direction indicators are on the image above, and on the PCB with box icon.
- Solder the 2 LEDs first.
- D1, D2 = 0805 Bright White LEDs
- Solder the 2 resistors next.
- R1 = 22  $\Omega$  (1206) for Blue LEDs
- Solder the 4x 2-Position headers on the Front side.
- For the best illumination effect cover the back, including LEDs, with globs of hot glue

BOARD/LED TYPE:

PARTS USED:

LED



# PERSONAL MINIBADGE

## Rental Giant-Redbox

Designed By: Zevlag

In the realm of rentals, two giants stood tall, Blockbuster and Redbox, both destined to fall. Once a bright beacon, Blockbuster's reign, With shelves full of movies, it brought joy and pain. Redbox emerged with its kiosks aglow, Offering movies for just a dollar to go, No lines to endure, A movie in minutes, No late fees looming imminent. Now both are but whispers of times long gone by, So tell me dear reader, as we bid them adieu, Which rental experience did you cherish most true? You must pick just one.

DIFFICULTY:

### BEGINNER

RARITY:

### RARE

HOW DO I GET ONE?

Available on Friday. Find TGalvez or Zevlag. Tell them your choice and suggest something to add to their "To Watch" list.

FRONT



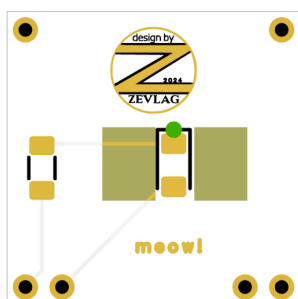
# PERSONAL MINIBADGE

## Best Pet - Cats

Designed By: Zevlag

In the delightful showdown of cats versus dogs, the choice is like picking your favorite dessert—each has its own sweet charm! (And may overwhelm you in abundance!) Whether you're drawn to the serene elegance of a cat's aloof charm or the joyful exuberance of a dog's boundless energy, or you simply can't make up your mind, you must now make a choice in the age old debate: Cat or Dog

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

HOW DO I GET ONE?

Available on Wednesday. Find TGalvez or Zevlag. Tell them your choice with either a 'meow!' or a 'woof!'.

### ASSEMBLY INSTRUCTIONS:

- Begin on the Back side.
- LED Direction indicators are on the image above, and on the PCB with box icon.
- Solder the 1 LED1 first.
- D1 = 1206 Green LED
- Solder the 2 resistors next.
- R1 = 22  $\Omega$  (1206) for Green LEDs
- Cut one set of 1x 2-Position header into 2x 1-Position header
- Solder the 2x 2-Position, and 2x 1-Position headers on the Front side.
- For the best illumination effect cover the back including LED with a blob of hot

BOARD/LED TYPE:

PARTS USED:

**LED**



FRONT



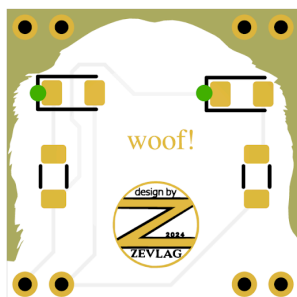
# PERSONAL MINIBADGE

## Best Pet - Dogs

Designed By: Zevlag

In the delightful showdown of cats versus dogs, the choice is like picking your favorite dessert—each has its own sweet charm! (And may overwhelm you in abundance!) Whether you're drawn to the serene elegance of a cat's aloof charm or the joyful exuberance of a dog's boundless energy, or you simply can't make up your mind, you must now make a choice in the age old debate: Cat or Dog

BACK



DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

HOW DO I GET ONE?

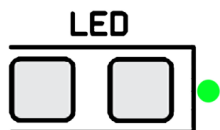
Available on Wednesday. Find TGalvez or Zevlag. Tell them your choice with either a 'meow!' or a 'woof!'.

### ASSEMBLY INSTRUCTIONS:

- Begin on the Back side.
- LED Direction indicators are on the image above, and on the PCB with box icon.
- Solder the 2 resistors first.
- R1, R2 = 22  $\Omega$  (1206) for Blue LEDs
- Solder the 2 LEDs next.
- D1, D2 = 0805 Blue LEDs
- Solder the 4x 2-Position headers on the Front side

BOARD/LED TYPE:

PARTS USED:



FRONT

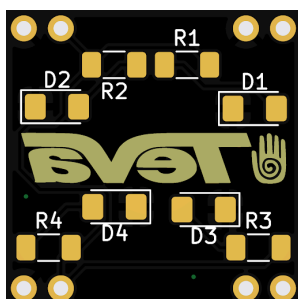


# PERSONAL MINIBADGE

## Teva

Designed By: zodiak  
It's a logo. I stole it. It fits me.

BACK



DIFFICULTY:  
**BEGINNER**

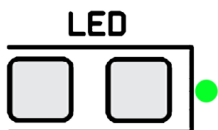
RARITY:  
**UNCOMMON**

HOW DO I GET ONE?  
Find zodiak. Trade, barter, beg. I deal in minibadges, stories, and friendship.

### ASSEMBLY INSTRUCTIONS:

Green dots go inside the box. Hot glue makes it shine more.

BOARD/LED TYPE:



PARTS USED:

4 1206 resistors  
4 1206 diodes  
8 2.54mm header pins  
1 PCB

FRONT

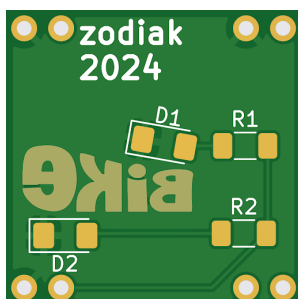


# PERSONAL MINIBADGE

## Mountain Bike

Designed By: zodiak  
Biking is good for the soul.

BACK



DIFFICULTY:  
**BEGINNER**

RARITY:  
**UNCOMMON**

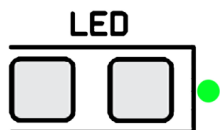
HOW DO I GET ONE?

Find zodiak. Trade, barter, beg. I deal in minibadges, stories, and friendship.

### ASSEMBLY INSTRUCTIONS:

Green dots go inside the box.

BOARD/LED TYPE:



PARTS USED:

2 1206 resistors  
2 1206 diodes  
8 2.54mm header pins  
1 PCB

FRONT

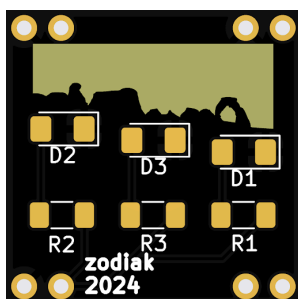


# PERSONAL MINIBADGE

## Ride your Bike

Designed By: zodiak  
Everyone should ride their bikes.

BACK



DIFFICULTY:  
**BEGINNER**

RARITY:  
**RARE**

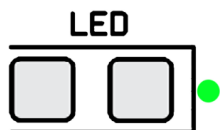
### HOW DO I GET ONE?

Find zodiak. Tell a story and you might get bonus minibadges.

### ASSEMBLY INSTRUCTIONS:

Green dots go inside the boxes. There are 2 red, and 1 yellow LED. They are supposed to blend to make a sunset. Experiment with hot glue for effect.

BOARD/LED TYPE:



PARTS USED:

FRONT



# PERSONAL MINIBADGE

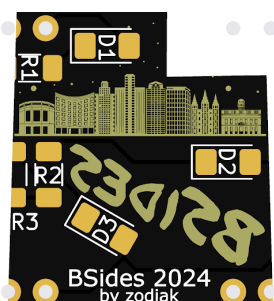
## BSides Salt Lake

Designed By: zodiak

These were created for BSides Salt Lake 2024. There were leftovers. Nobody ever complained about another minibadge did they?

Didn't count them, not sure how many are left. When they are gone, they are gone.

BACK



DIFFICULTY:  
**BEGINNER**

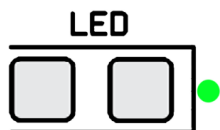
HOW DO I GET ONE?  
Find zodiak. He has these.

RARITY:  
**RARE**

### ASSEMBLY INSTRUCTIONS:

Green dots go inside the box. There are 2 blue and 1 red LED. Place them creatively. Use hot glue for effect. There are no mistakes, only happy accidents.

BOARD/LED TYPE:

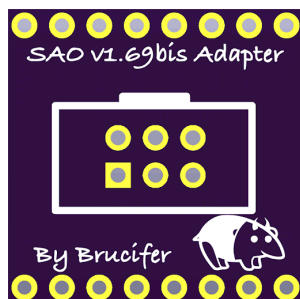


PARTS USED:

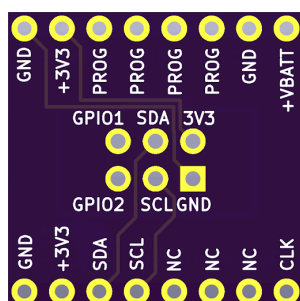
3 1206 resistors  
3 1206 diodes  
8 2.54mm header pins  
1 PCB



FRONT



BACK



# BADGE ACCESSORY

## SAO Adapter

Designed By: Brucifer

Returning again this year, this MiniBadge is an adapter that allows you to plug DEFCON SAO v1.69bis compatible SAOs into the SAINTCON badge. It only supports the 3V3, GND, SDA, and SCL pins. Without modification, it will not support the GPIO1 and GPIO2 pins.

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

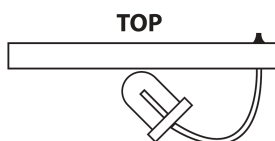
HOW DO I GET ONE?

Show me the SAO you want to display on the SaintCon badge. Find me at the Health Care Hacking Community.

### ASSEMBLY INSTRUCTIONS:

- Insert the 2x3 pin header through the holes on the front of the badge, aligning the position key toward the top, matching the header outline on the front of the badge
- Solder the 2x3 pin header pins on the back side of the badge
- Solder the 8-position headers

BOARD/LED TYPE:



PARTS USED:

- (x1) CONN Header 6POS 0.1 GOLD PCB <https://t.ly/SGICT>
- (x2) CONN Header VERT 8POS 2.54MM <https://t.ly/d9TLL>
- (x1) PCB <https://jlcpcb.com>

FRONT



BACK



# BADGE ACCESSORY

## Night of the Evil AI Expansion Board

Designed By: distinctm1nd

This is based on the Night of the Living Dead. I thought of it when I saw mention of "evil AI" on the Saintcon badge github this year. It has an Attiny814 microcontroller and can be programmed via UPDI. It has 17 addressable LEDs and will come programmed with several LED modes. It will hold 8 minibadges and 2 SAOs. The minibadges are compliant with the version 2 standard (<https://github.com/lukejenkins/minibadge>) and the SAOs are compliant with the 1.69bis standard. This will come with a special set of minibadges that are designed to compliment the artwork.

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

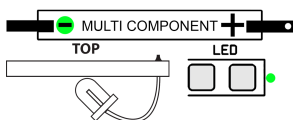
HOW DO I GET ONE?

Contact me on discord or find me at the conference

### ASSEMBLY INSTRUCTIONS:

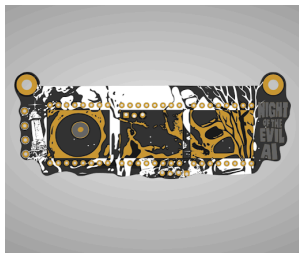
The expansion board will come mostly pre-assembled. You'll need to solder the minibadge headers and SAO connectors. There might be one minibadge that is hard; the rest should be easy to intermediate.

BOARD/LED TYPE:



PARTS USED:

FRONT



BACK



# BADGE ACCESSORY

## Night of the Evil AI Klip-On

Designed By: distinctm1nd

This is based on the Night of the Living Dead. I thought of it when I saw mention of "evil AI" on the Saintcon badge github this year. It has an Attiny412 microcontroller and can be programmed via UPDI. It has 9 addressable LEDs and will come programmed with several LED modes. It will hold 3 minibadges. The minibadges are compliant with the version 2 standard (<https://github.com/lukejenkins/minibadge>) and two of them are game minibadges. This badge also has 2 GPIO pins available for your own development.

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

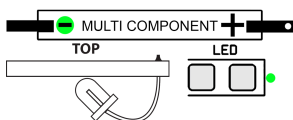
HOW DO I GET ONE?

Contact me on discord or find me at the conference.

### ASSEMBLY INSTRUCTIONS:

This badge will come mostly assembled. You'll need to solder the minibadge headers.

BOARD/LED TYPE:



PARTS USED:

FRONT



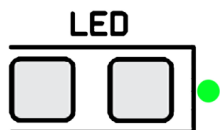
BACK



#### ASSEMBLY INSTRUCTIONS:

Solder the resistors and the leds on the back. Solder the minibadge headers on the front.

BOARD/LED TYPE:



# BADGE ACCESSORY

## Hacker Walder Badge Extension

Designed By: kfeuz

Want to show off your Weber State pride? What better way than a Hacker Waldo badge extension!

Is the Saintcon badge too small for you? Try this Hacker Waldo badge extension! It will more than double the size of the badge while still only providing two minibadge slots.

DIFFICULTY:

**BEGINNER**

RARITY:

**RARE**

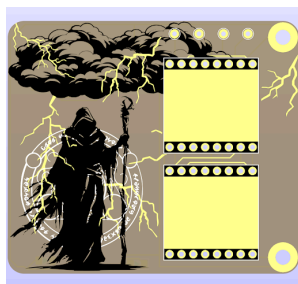
HOW DO I GET ONE?

These are available on a first come first serve basis to anyone who wants one

PARTS USED:

- 2 - 1206 Green LED
- 2 - 1206 10-100 Ohm Resistors

FRONT



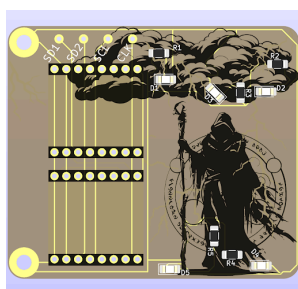
# BADGE ACCESSORY

## Stormy Dark Wizard

Designed By: Moomoo

This badge extender features thundering dark blue clouds, an illuminated staff top, and a background board glow of red or green (depending on the color requested).

BACK



DIFFICULTY:

**ADVANCED**

RARITY:

**SUPER RARE**

HOW DO I GET ONE?

Extender for extender trades receive first priority. All extender for extender trades are gladly accepted. After extender for extender trades are done, a comparable barter is accepted.

### ASSEMBLY INSTRUCTIONS:

Specific assembly instructions are provided. This extender requires special care and attention to led orientation and exposed traces on the board to avoid issues. This will require the soldering of through-hole leds to smd pads and bending them to illuminate the board.

BOARD/LED TYPE:

PARTS USED:



FRONT

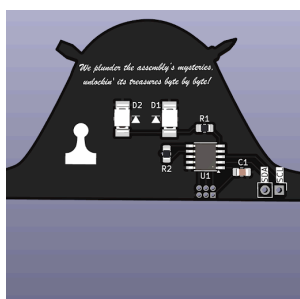


# BADGE ACCESSORY

## RE Badge Topper

Designed By: Professor Plum  
Reverse engineering themed badge topper

BACK



DIFFICULTY:  
**INTERMEDIATE**

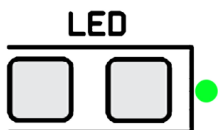
HOW DO I GET ONE?  
Trade with me

RARITY:  
**SUPER RARE**

### ASSEMBLY INSTRUCTIONS:

Solder U1, PY32 micro controller first, note pin 1 location  
Solder D1 & D2, note LED the orientation. The black mark should be towards the bottom  
Solder R1, 100 ohm (101), orientation doesn't matter  
Solder R2, 1M ohm (105), orientation doesn't matter  
Solder C1, 1uF, orientation doesn't matter

### BOARD/LED TYPE:

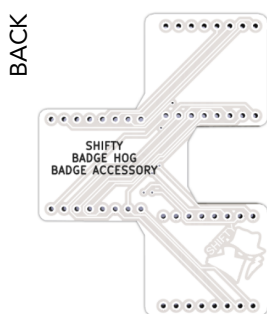
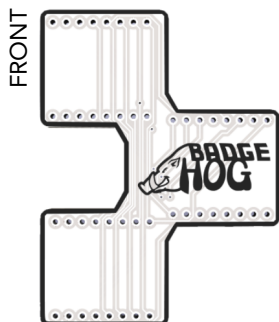


### PARTS USED:

- 1x PY32F002AA15M
- 2x LO T776, 3528 LEDs
- 1x 100 ohm 0805 resistor
- 1x 1M ohm 0805 resistor
- 1x 1uF 0805 capacitor

Scan For  
Assembly  
Instructions:





# BADGE ACCESSORY

## Badge Hog - Vertical

Designed By: SHIFTY

Did you design an amazing minibadge, but it may or may not be larger than the spec and is hogging all of the badge slots? The Badge Hog solves that problem.

This is a straight passthrough, so whatever capability your badge has, this will have too!

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

HOW DO I GET ONE?

Show me the oversized badge your going to use this on. Trade or barter

### ASSEMBLY INSTRUCTIONS:

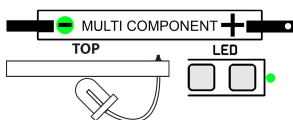
Solder the Minibadge Female headers first.

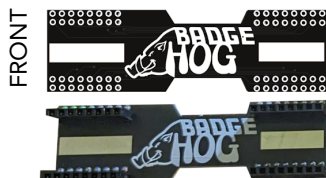
When soldering headers on, its best to put a minibadge on them first before soldering them on.

The Single slot where the Badge Hog logo is located is for the male headers.

BOARD/LED TYPE:

PARTS USED:





# BADGE ACCESSORY

## Badge Hog - Horizontal

Designed By: SHIFTY

Did you design an amazing minibadge, but it may or may not be larger than the spec and is hogging all of the badge slots? The Badge Hog solves that problem.

This is a straight passthrough, so whatever capability your badge has, this will have too!

DIFFICULTY:

**ADVANCED**

RARITY:

**SUPER RARE**

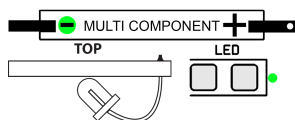
HOW DO I GET ONE?

Show me the oversized badge your going to use this on. Trade or Barter.

### ASSEMBLY INSTRUCTIONS:

This thing is surprisingly hard to assemble. Put a minibadge on the female headers before soldering them in place. This will add some stability and also help you get the spacing right. The headers are offset so they will fit on a 10x10 or grouped together spaces. This makes them difficult to solder. Then solder on the male pin headers. (See Image.)

BOARD/LED TYPE:



PARTS USED:

Female Pin Headers  
Male Pin Headers



FRONT



BACK



# OTHER ACCESSORY

## The Dapper Minibadge Bowtie

Designed By: Hollyhacker/RuShan

This amazing bowtie is a standalone display for your minibadges. It's USB-C powered, comes with all the fixings strap, back cover, and 95% assembled. That's right no tiny soldering points !!! Solder on your headers and you are ready to go ! We made several revisions and testing processes to ensure this works well for you. The tie includes a power LED so you always know that your power is working. The bowtie does have limited support for clock designed minibadges some work with it others don't it does not have a traditional clock circuit.

DIFFICULTY:

**BEGINNER**

RARITY:

**SUPER RARE**

HOW DO I GET ONE?

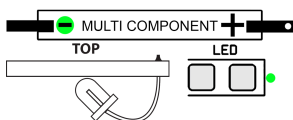
These bowties will be for sale in the official Saintcon Store

### ASSEMBLY INSTRUCTIONS:

This is a 95% Assembled Display !! That's right no tiny soldering points !!! Solder on your headers and you are ready to go !

BOARD/LED TYPE:

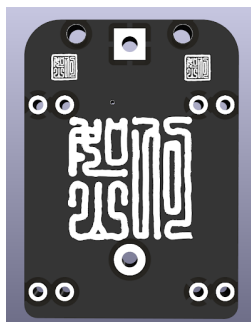
PARTS USED:



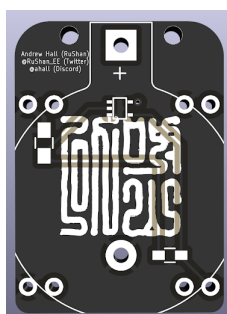
PART OF SET:

The Dapper  
Enthusiast Set

FRONT



BACK



ASSEMBLY INSTRUCTIONS:

<https://youtu.be/-dMSakdh-0s>

# OTHER ACCESSORY

Portable minibadge holder (pendant or earring)

Designed By: RuShan

This is a single minibadge holder that is powered by a 2032 battery. You can use the holes in the top for wire to connect to earring hooks or to a necklace or whatever you would like. It has a clock circuit so it will work with almost all the minibadges and at least light up them all.

DIFFICULTY:

ADVANCED

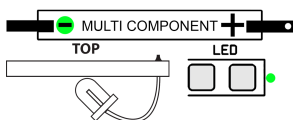
RARITY:

RARE

HOW DO I GET ONE?

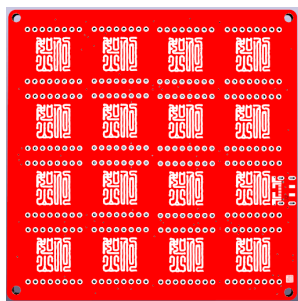
SAINTCON store (If not in store then I will have them unless sold out)

BOARD/LED TYPE:

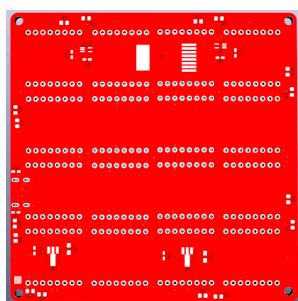


PARTS USED:

FRONT



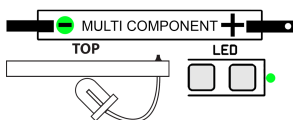
BACK



ASSEMBLY INSTRUCTIONS:

<https://youtu.be/Nmzs4UI-mx0>

BOARD/LED TYPE:



# OTHER ACCESSORY

## 4x4 Minibadge display with MDNC

Designed By: RuShan

This is a custom 4x4 display (16 minibadges) for minibadges that is powered by USB-C or the rj45 connector to another 4x4 display which I call the MDNC. This is a complete kit with header helper that works as a stand once complete. Wanted a small display piece to put on a desk and be networkable for unique future projects. It has two separate clock circuits so you can have them the same or different speeds as I include both types of resistors in the kit.

DIFFICULTY:

ADVANCED

RARITY:

SUPER RARE

HOW DO I GET ONE?

SAINTCON store (DC801 will have a special version of it as well)

PARTS USED:

<https://github.com/Herushan/4x4minibadgedisplay>