# 

[**Badge 1**](#_6xp90fca6s56)

[Hidden Badge Flag 1 1](#_abdezgf0nshy)

[Hidden Badge Flag 2 1](#_3mjkp3cy7yc)

[Hidden Badge Flag 4 2](#_hd1m9j8u22ic)

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[**Badgiimo 2**](#_h5vs3q2dshbm)

[Test Call 2](#_mp1xfhw0e3nl)

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# 

# Badge

## Hidden Badge Flag 1

50

I've heard through some back channels that the engineering team enjoys easter eggs. Do you think they'd really be so arrogant as to leave a few easter eggs in such a ground-breaking technological product? If you find anything like this in the HHVDC31, please let us know!

## Hidden Badge Flag 2

50

## Hidden Badge Flag 4

100

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## Hidden Badge Flag 3

500

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# Badgiimo

## Test Call

100

Can you build a fix for our damaged demo boards? Follow the assembly instructions and test if your build works by attaching the Call Badgiimo and dialing 1234567. Make sure to hit # to send!

To get the fix kit, show an HHV CTF orga that you have at least 1 flag.

## Overheard

200

We saw someone from HHV Tech using the demo badge this morning and placing a call. Unfortunately, we weren't able to see what number they dialed, but I did capture the audio from the event.

## Put On Your Party Hat

300

Ooo pretty lights!

## Imposter Badgiimo

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Create an imposter Badgiimo and show it triggering one of the Badgiimo modes on a demo badge to a CTF orga

Top Secret Encryption

500

We're using top secret encryption. No way anyone will be able to crack it, but if you do, do the responsible thing and tell us!

? Badgiimo

500

I wonder if there are plans to make any other Badgiimos

# Other

## Take Your PIC

200

You are working on a PIC12C508. The following code is run - MOVLW 0x5A MOVWF TEMP\_REG MOVLW 0xF8 ANDWF TEMP\_REG,1 XORWF TEMP\_REG,1 ADDWF TEMP\_REG,0

What is in W and what is the state of the Z, DC, and C status bits? Input should be comma delimited with no spaces, in the order stated, and wrapped with HHV{...} ( ie. HHV{0xFF,0,0,0} )

## Robo Sumo

300

Participate in Robo Sumo

Can use arduino libraries and load them to it. Personally I just changed the normal speed to always be max speed.

<https://github.com/CytronTechnologies/CytronMakerSumo>

## The Big Sort

500

We managed to capture a power trace of an embedded device while executing a secret algorithm that destroyed the secret stored in it. Can you manage to reverse that operation and retrieve the original information stored in the device?

Wrap the sorted string in HHV{...}