

Black Badge Uber Alles

????

Agenda

1. Who are we

2. Why do this

3. Dc 22

4. Dc 14

5. Dc 23

6. Thank you

7. QA

8. Fin

Who are these hackers on stage

DC503 members

Jesse - human computer

Kenny - human pick and place machine

Mike - Senior Trouble Maker

Mickey - least israeli israeli person mike knows

Joe - Intel (reformed)

Dean - bricker of all things



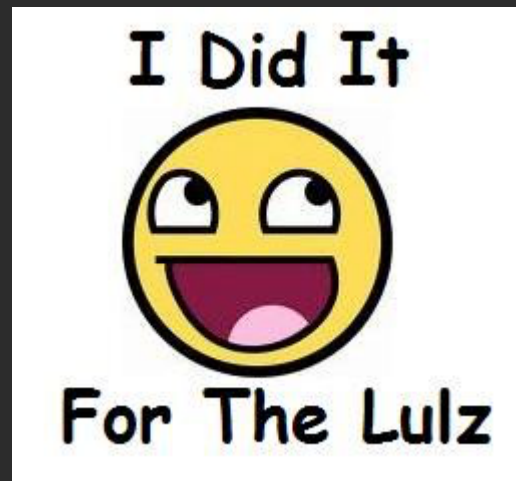
Motivation

For the lulz

Standing in line sucks

1o57 said it was not possible

Because we can



DC22

DC22 - Background

- Open source human badge schematics released after defcon.
- Playing around with them
- Hey, can we make a black badge?
- We , kind of, know how to EAGLE. Not to dip trace
- And we love 1o57, we wanted to surprise him.

DC22 - How

- Found human badge schematics online and used as reference
 - DipTrace and EAGLE - the battle.
 - Reversing the silk screen hours of photo manipulation and google searching!
 - Reversing the board and the BOM (what part goes where)
 - The story of Fabrication and dickbutt.
- How it ended up
 - We won the Badge hacking contest!
 - Compared to a real DC22 BB side by side and operating.

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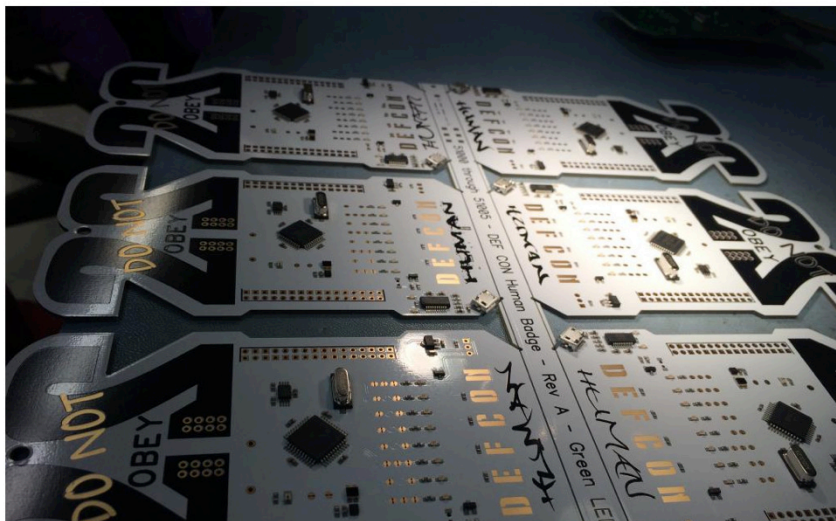
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DEFCON 22 Badge: Code, Schematics and Information Here!

**Ken Gracey** Posts: 5,754

August 2014 edited October 2014 in General Discussion ▲ 0 ▼



Release



Gerbs

DC22 - Result

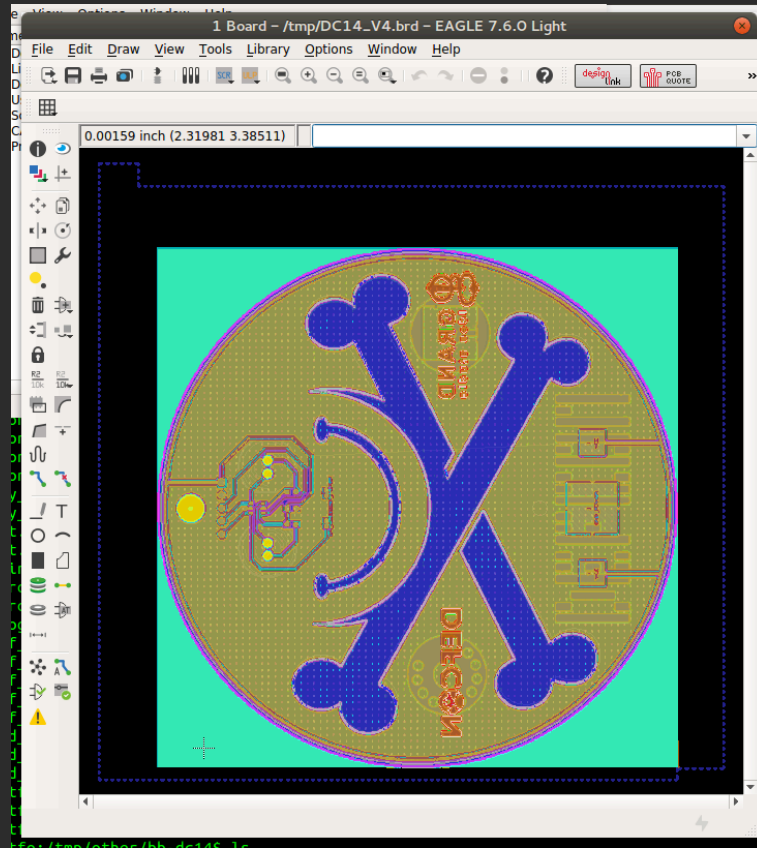
- How it ended up
 - We won the Badge hacking contest!
 - Compared to a real DC22 BB side by side and operating.

DC14

DC14

- We love you Joe Grand! (no, really, he is the sweetest)
 - Why this one?
 - background story
 - Seemed to be the easiest, but let me tell you...
 - How we did it
 - Built from scratch, using EAGLE.
 - Funny story about free EAGLE and 80cm.
 - Funnier story about Board fabrication.
 - Overnight fabrication and late night DC hotel soldering
 - How it ended up
 - Compared to the real deal

<sausage making process>



<DC14 board view in eagle>



WINNAR

DC23

DC23

DC23 (Mickey, Mike, Dean)

- Background

- Why? Because Lost said it couldn't be done.

DC23

DC23 (Mickey, Mike, Dean)

- Background

- Why? Because Lost said it couldn't be done.

- How we did it

- social engineer the only guy in the world who makes captured lightning thingies

- No, seriously, The type used by Lost is no longer made on earth, so a special order had to be made.

DC23

DC23 (Mickey, Mike, Dean)

- The radiation

- Getting a lead pig. Thats a real term.

- Getting a geiger counter. funny story... it work in

russian only... hard core counting.

- Uranium marbles, tritium, trinitite , uranium ore.

- The coin.

- How it ended up

- We are still working on it right now, and we will have it ready

by Defcon.

Thank you

Questions?