

Updated: January 19, 2021

Description

The Skull is a Capture the Flag (CTF) riddle that invites you to explore the internals of the AVR architecture. It has multiple stages and will likely keep you busy for days, or even weeks. Solving the challenge requires the ability to read and understand Arduino code, basic programming skills and creative thinking.

Find out more about the riddle at <https://skullctf.com/start>

Features

- Three challenging riddles + two bonus challenges
- ATtiny45 MCU
- A single CR2032 battery and ultra-low power consumption
- A resistive touch pad input and two 5 mm LEDs
- An optional AVR ISP header for reprogramming (not included)

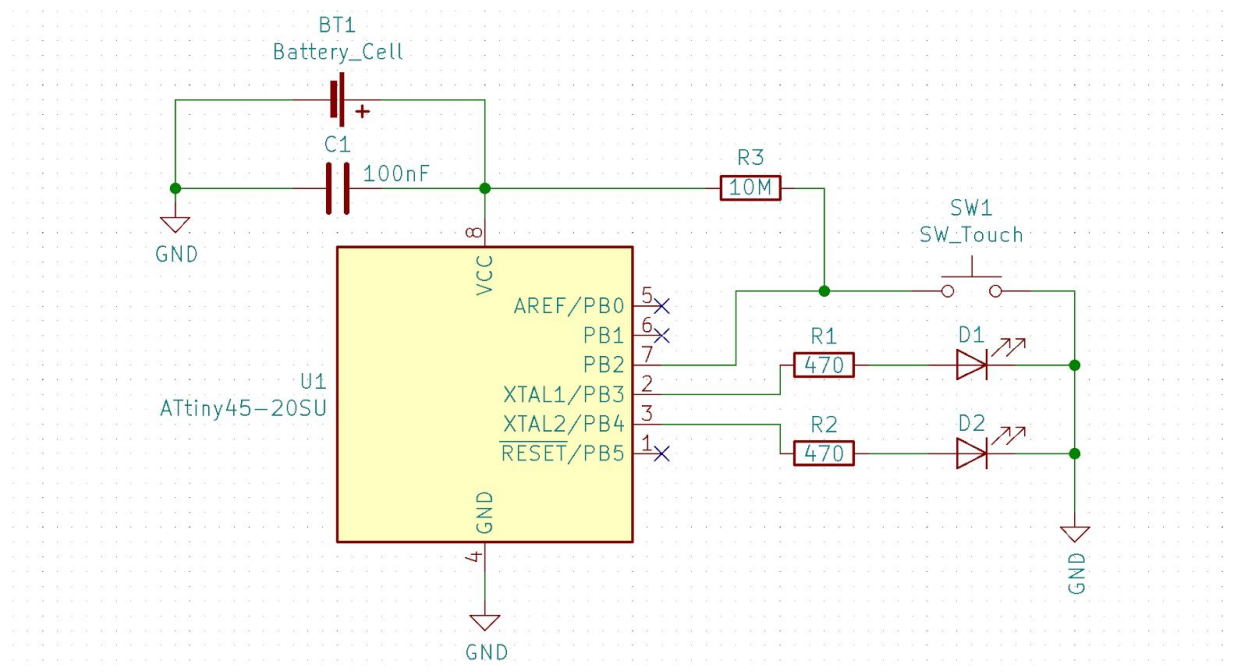
The Skull Data Sheet



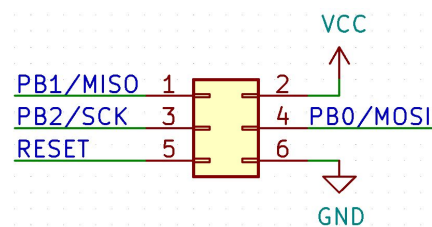
Specifications

Operating Voltage	2.7 – 5.5 V
Temperature Rating	-40 C to +85 C
Sleep Current	0.2 – 0.5 μ A
Board Dimensions	100 x 74 mm
Board Weight	22 g (26 g with battery)

Circuit Schematic



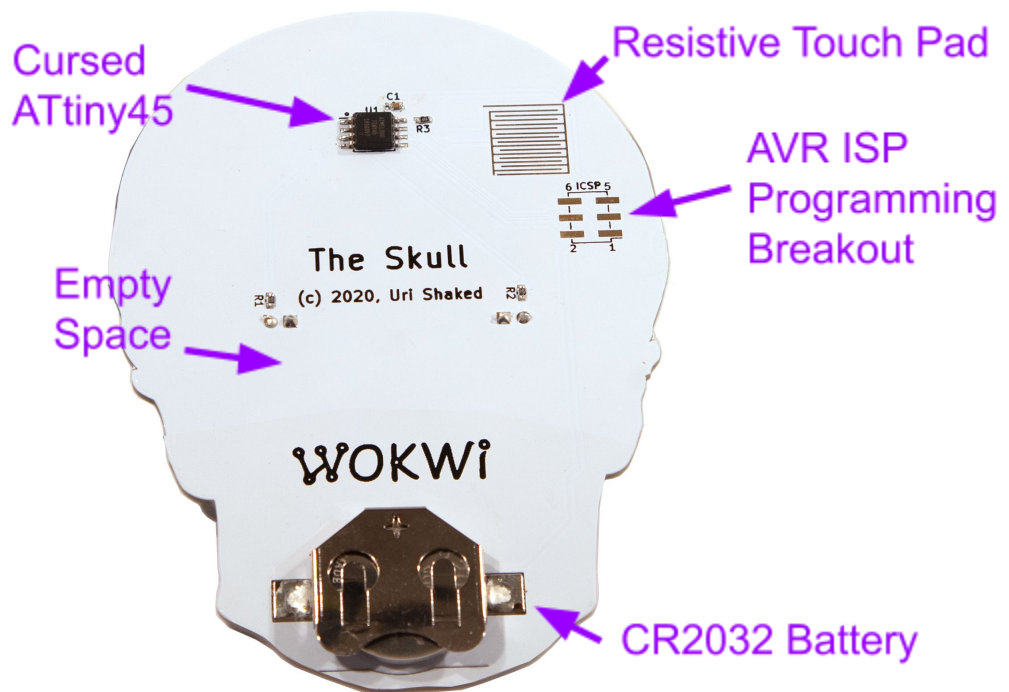
ISP-Connector Pinout



The Skull Data Sheet



Board Layout



Additional Resources

For more information, please check out the website:

<https://skullctf.com>

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