

About the Project

Abstract Introduction

We are creating an educational dataset that can be used to go from “not knowing electronics” to “knowing electronics”. The sooner we put it out there, the better. Educational content probably has an exponential effect on economies (gain on the gain).

Our educational quality is something we obsess over. We would rather release nothing, than release something that has quality issues that cause students to lose interest in electronic circuits.

Our GitHub repository is a knowledge repository. It can be modeled as a knowledge source in communication and empathy circuits.

Our YouTube channel is an emotional signal. It shows a partial capture of the knowledge-capture story.

Our name, branding and digital presence is something we hope is acceptable to all. It is designed to be recognizable and have a positive emotional effect.

Historical Timeline

2013, Registered miniPCB.com. First products sold less than ten (10) pieces.

2014 – 2019, Designed the rectangular logo. Numerous prototypes; nothing amazing.

2020, Designed board outline with logo at top center and connector in the bottom left.

2021, Designed small batch of prototypes. Closer than ever before to the right product. Not quite there.

2022, Created the design standard and GitHub repository, launched the YouTube channel, and made the project open source.

THIS YEAR

- Release first several miniPCBs with the new standards and procedures.
- Release first game product (Lucky Number Generator).
- Begin advertising to teachers and professors.

NEXT THREE YEARS

- Develop set of miniPCBs as envisioned.

THREE YEARS FROM NOW

- Begin creating an opensource CAD repository for electronic hardware development.
- Rapidly innovate consumer products.

FIVE YEARS FROM NOW

EVENTUALLY

- Begin working with an AI tool to create electronics hardware.
- Be the first AI-Assisted Design Engineer on YouTube.
- Found an engineering company that uses AI to rapidly develop products for customers.

Change and Liability Notice

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Trademark Notice

miniPCB is a trademark of Nolan Manteufel.

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miniPCB™		

Revision History

REV	DESCRIPTION	ECO	DATE
A	Initial Release	N/A	04FEB2023