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 contains files and records. It forms a stable dataset for training AI.

Our YouTube channel contains stories and announcements. It forms a stable story for the project.

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.

2023, Began imagining an AI enabled CAD tool.

Current Plan

NOW

- Release first several miniPCBs with the new standards and procedures.
- Release first game product (Lucky Number Generator).

SOON

- Develop sets of miniPCBs (product bundles).

SOON AFTER

- Begin advertising to teachers and professors.

EVENTUALLY

- Begin working with an AI tool to create electronics hardware.
- Be the first Design Engineer to become AI-enabled on YouTube.

SOON AFTER

- Rapidly develop the miniPCB product catalog.

POSSIBLY

- Partner with a large company who can sell/distribute miniPCBs. (Imagine: sponsorship or distribution)
- Partner with numerous individuals who can sell/distribute miniPCBs. (Imagine: distributed fulfilment)
- Use my AI tool to rapidly develop products for customers. (Imagine: sensor solution provider)

Change and Liability Notice

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Trademark Notice

miniPCB is a trademark of Nolan Manteufel.

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WORDMARK	FIGUREMARK	FIGUREMARK
miniPCB™		

Revision History

REV	DESCRIPTION	ECO	DATE
A	Initial Release	N/A	04FEB2023
B	Update per new interest in AI CAD tools.	N/A	05MAR2023