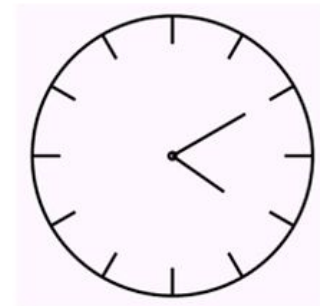


Why are we here?

Hello World! Printed Circuit Board

In one hour, we will:

- Design a simple circuit board.
- Select and source parts.
- Submit board for manufacture.





KEN OLSEN

Electrical Engineering Technician

By night and weekends:
Mild Mannered Maker

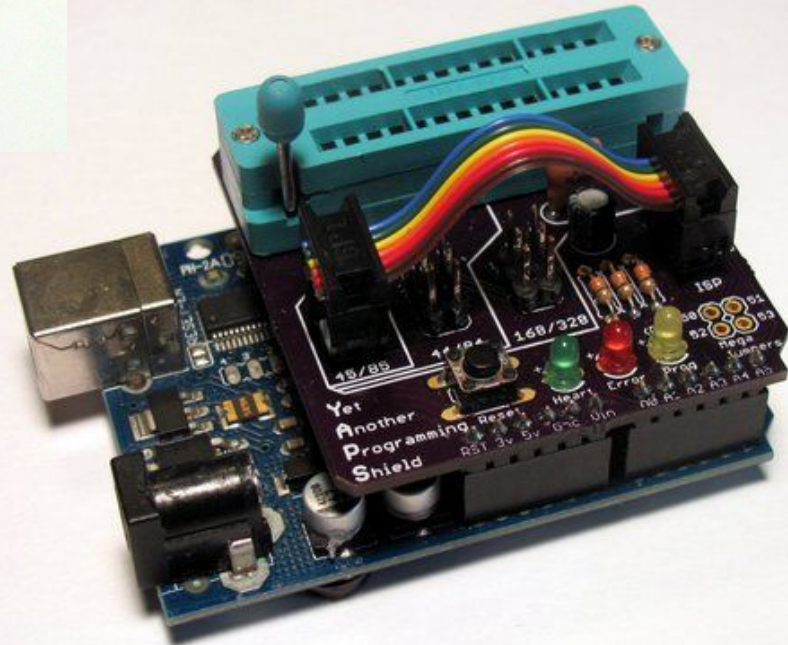
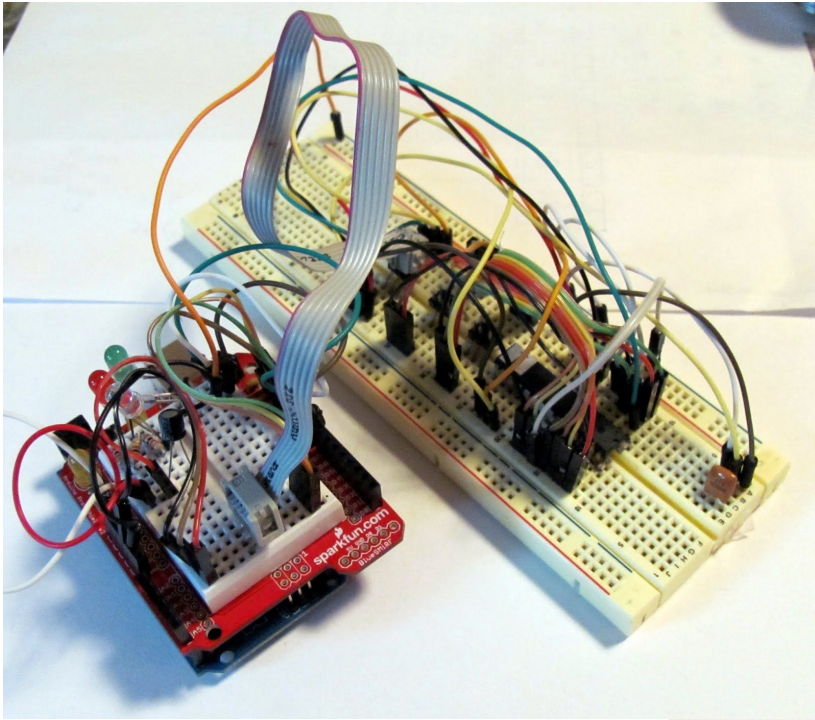
Who Am I?

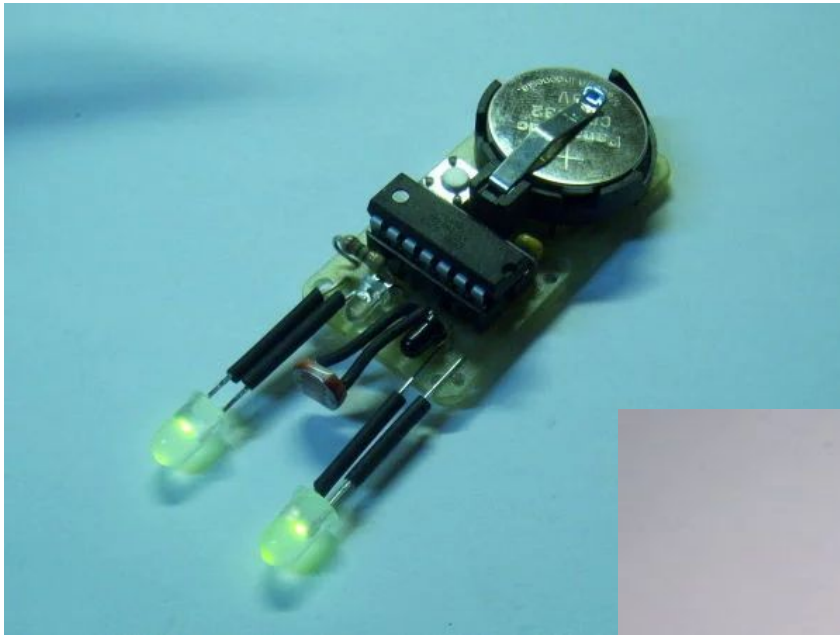
By day: Mild Mannered
Technician



Why PCB?

Because breadboarding is hard and error prone!



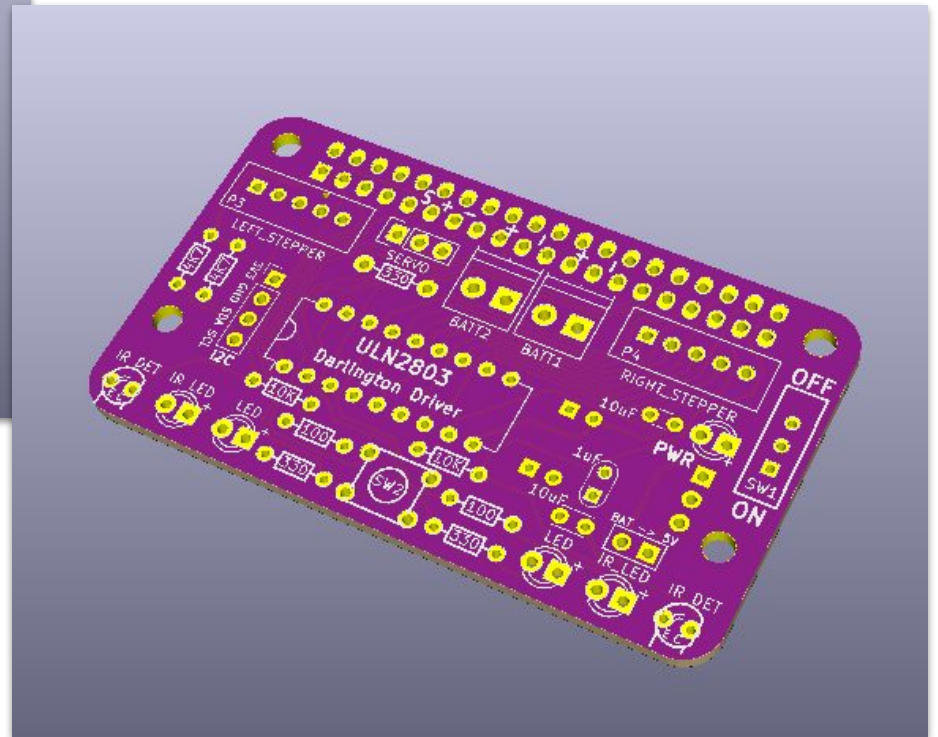
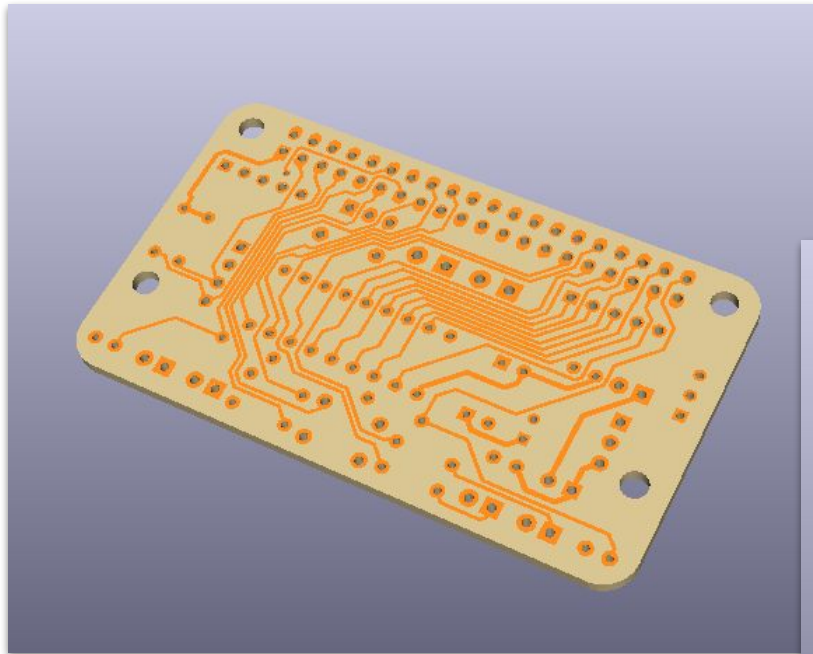
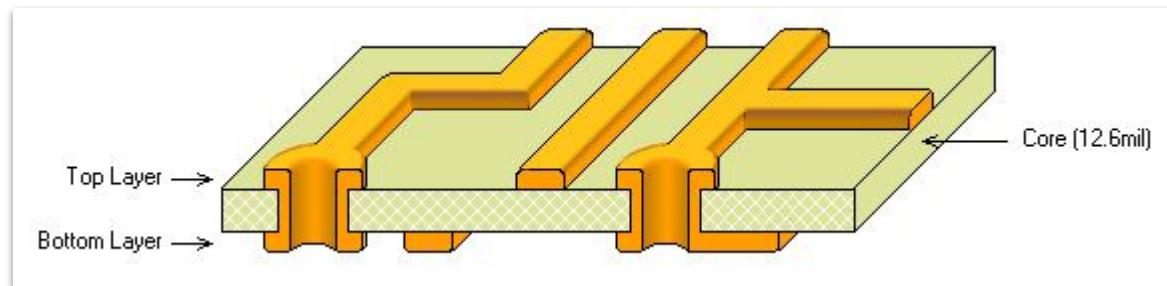


First Try

CIRCA 2008

Toner transfer method +
nasty chemicals.







“Ki”?

“OSH”?

OSH Park

Perfect Prompt Purple PCBs



Workflow:

- Schematic
- Components & Footprints
- Component placement
- Routing
- Bill of Materials
- Submit for manufacture

