PCB DESIGN Skill Tree: Color in the boxes and level up your skills Use for individuals or as a group by picking a colour each and coloring in a part of the box. Everyone's journey is different and you can interpret the goals flexibly. The aim is to inspire you to learn and try new things. Not everything needs to be completed. (set your own goal) Contribute to Use a reflow oven someone else's open to solder a PCB source project Register a Sell a product on Teach a class on something other design with OSHWA PCB Design than tindie OSHW Use a pick & Design a flex Sell a PCB Z Use a solderpot place machine or flex-rigid PCB on tindie ~ Mill a PCB Design a PCB Design a PCB with a real from a copper sheet with a display time clock Design a PCB Use a BGA Order an Use gold fingers with a speaker Aluminium PCB in a PCB in a design or buzzer Se se Design a PCB Design a PCB **4**) Use 0402 size with a non standard with parts on a PCB **EEPROM** shape Chemically Order a PCB Document Use thermal vias etch a PCB yourself in any colour but your PCB Design in a project Green 盛 Design a PCB **22** 0 Design an Use 0603 size including both SMD enclosure for a PCB SMD parts on a PCB and through hole parts Design a PCB Design a PCB Design a multilayer Use USB in a PCB with an embedded PCB with more than 2 Badge or business controller layers design card Use a hotplate Use a vacuum Use 0805 size to rework a PCB pen to assemble SMD parts on a PCB a PCB Panelize a Assemble Design with design with multiple . Debug a project with a something with a CMOS or TTL Logic parts with no firmware logic analyzer QFN Get a PCB Use a solder Use an ultrasonic assembled by the paste stencil to cleaner to clean a assemble lots of PCBs factory **PCB** Assemble Calculate \$ •••• Repair a broken Debug a project with something with a trace width for an oscilloscope QFP power capacity Se se Use ENIG Make a design Use SMD tweezers with RGB LEDs finish on a PCB in a project υς α Use hot 유 Learn SMD Get something air for soldering component codes



Design a two sided PCB

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Order a PCB for the first time श्व

SMD

Hand solder SMD

Parts Mes 1

Use an Autorouting tool

Export Gerber Files **_** Install PCB Software

331 Design an SMD

PCB Design a PCB with Art on the Silkscreen layer

Design a Through-Hole part PCB 유

> Learn to read a schematic

wrong and re-order a board

Get something wrong and apply a hot fix to the board

Use alcohol to clean a PCB

Desolder / Resolder Through hole parts on a PCB Sty! Import Schematic

file to PCB Learn to Solder

Teach a friend how to design a **PCB**

> Create your own footprint 0000

Test a PCB with a Multimeter

1 tile = 1 point

Total Score

HERE START



Name: .