

Hardware também pode ser livre?!

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hacker





Software livre

0. Executar o programa para qualquer uso
1. Estudar e adaptar à sua necessidade
2. Redistribuir cópias para os outros
3. Aperfeiçoar e liberar sua contribuição

Livre?!

ou

grátis??



• materiais
• produção
• embalagem
• frete

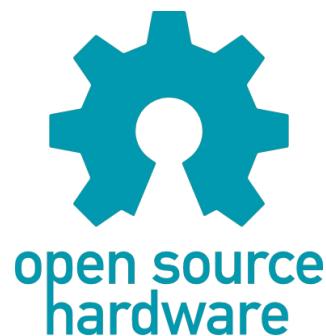
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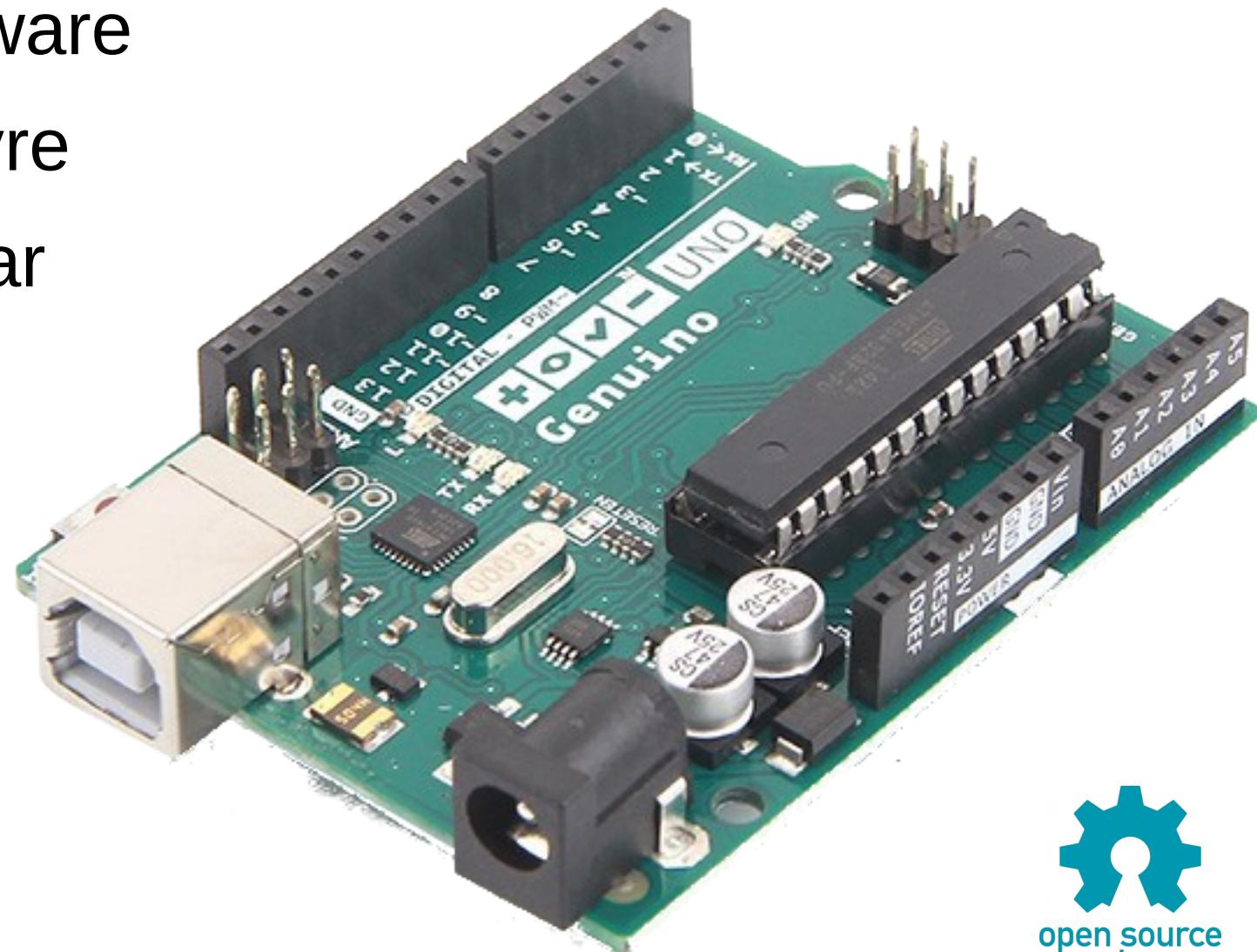
Hardware ~~livre~~ open source

- Documentação disponível
- Software para download
- Arquivos-fonte
- Lista de material
- Imagens
- Logo da OSHWA
- Preparo emocional

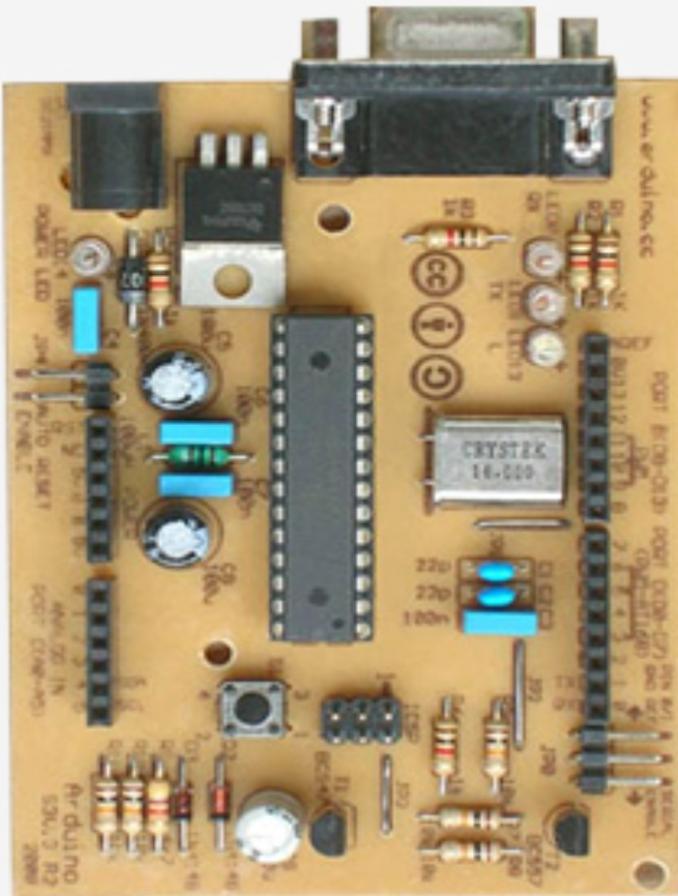


Arduino

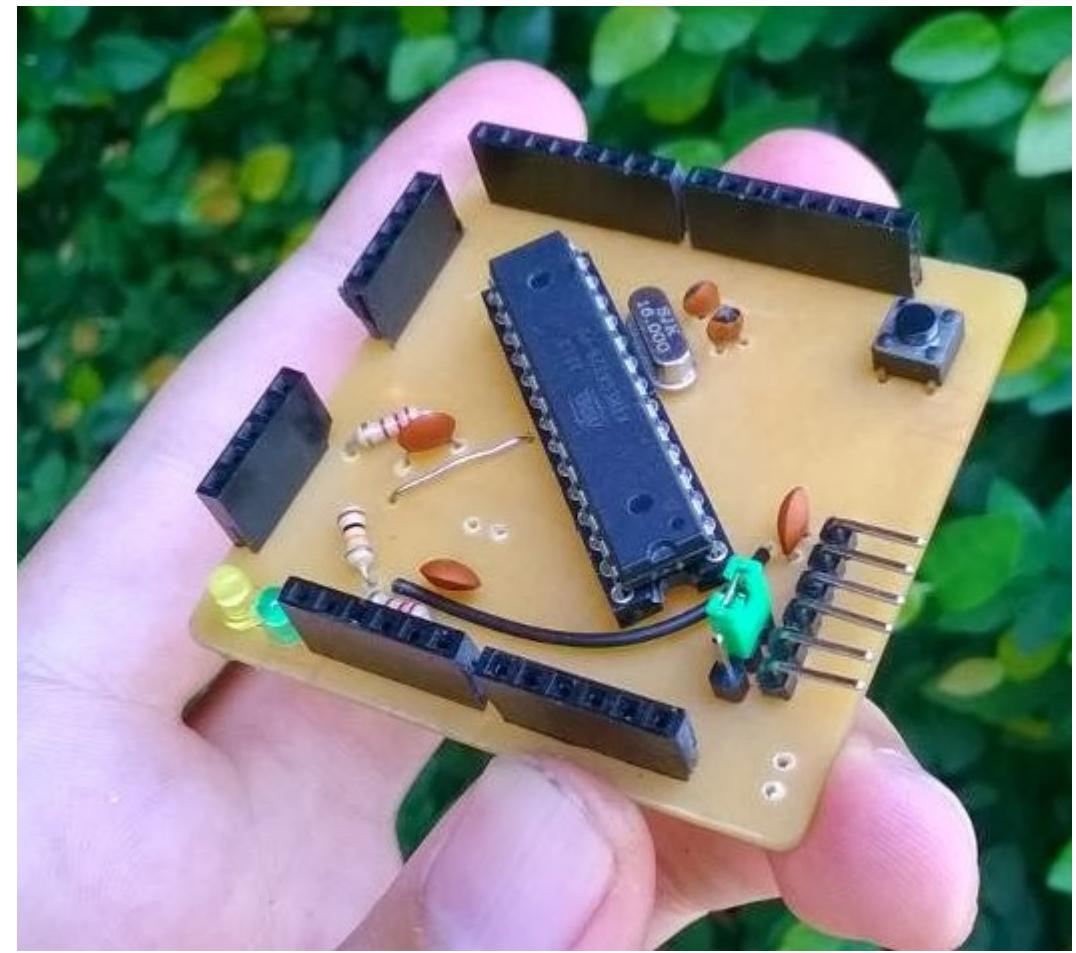
- Plaquinha que você pode **programar**
- Open hardware
- Software livre
- Fácil de usar
- “Barato”
 - R\$ 79



Outros “inos”



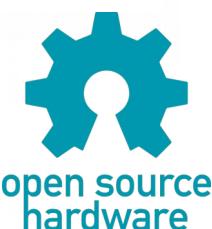
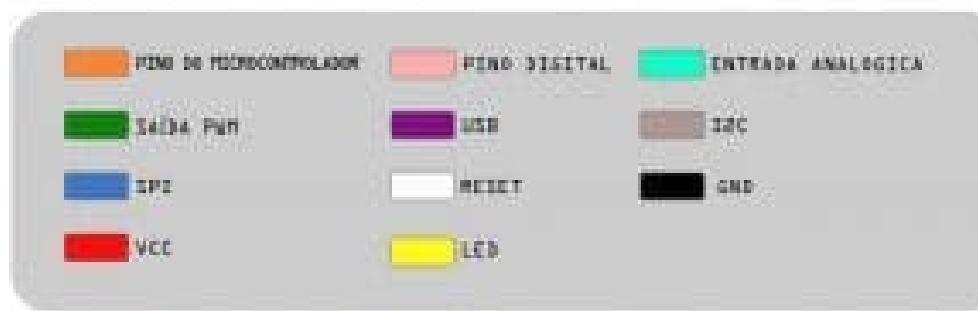
Severino (SP)

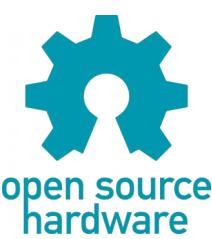
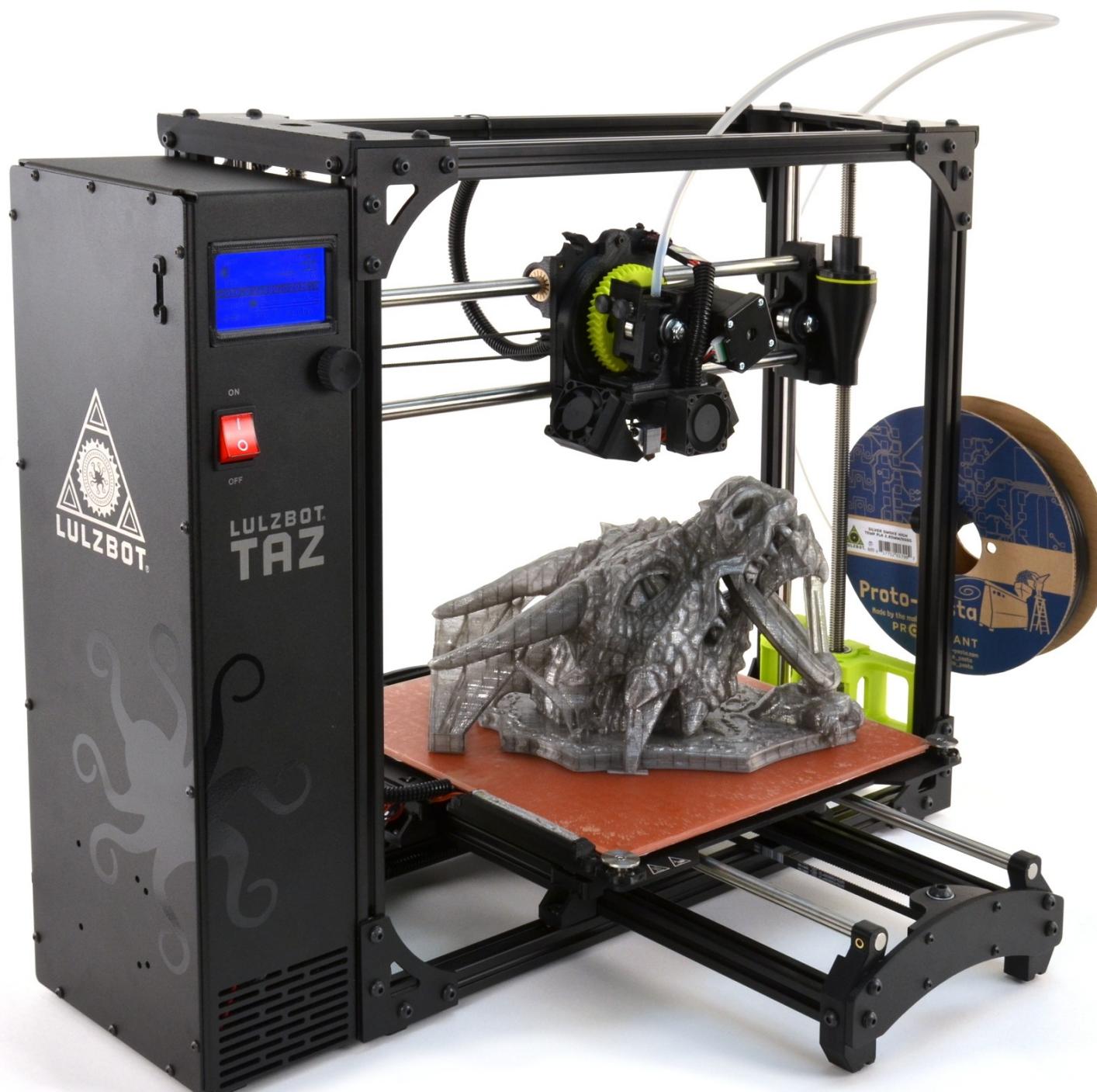


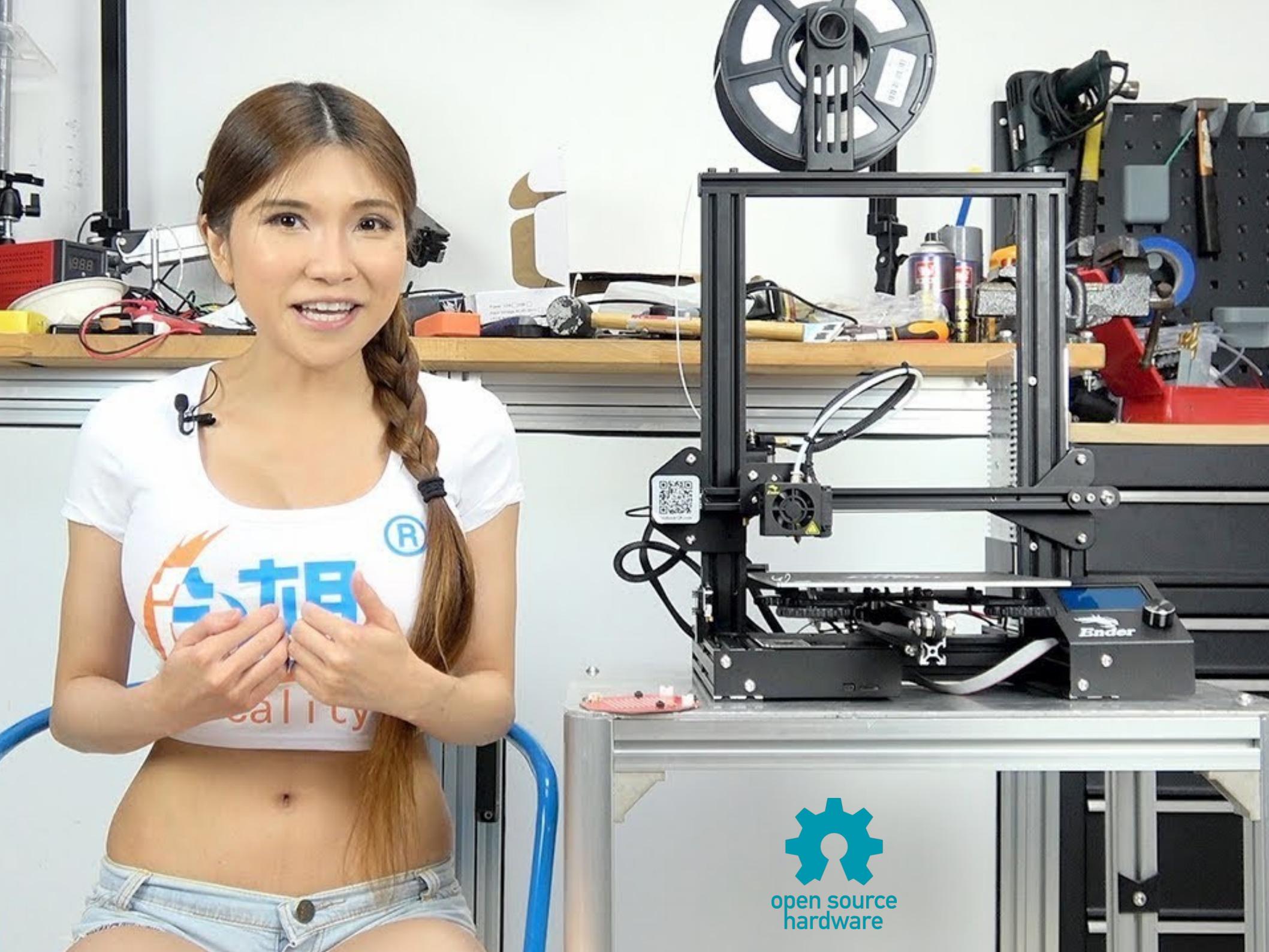
Marminino (CE)

Franzinho

Pinout







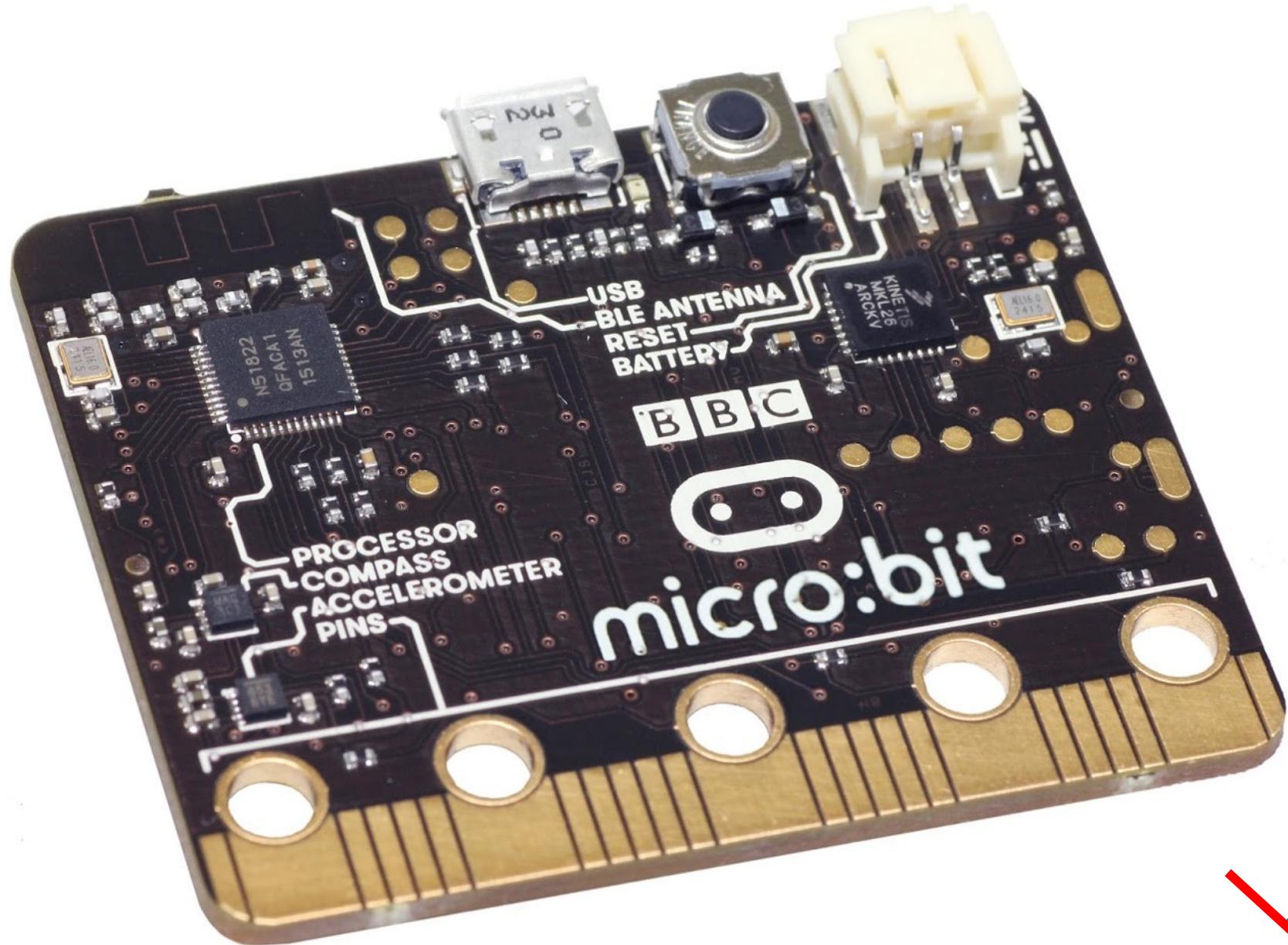
open source
hardware

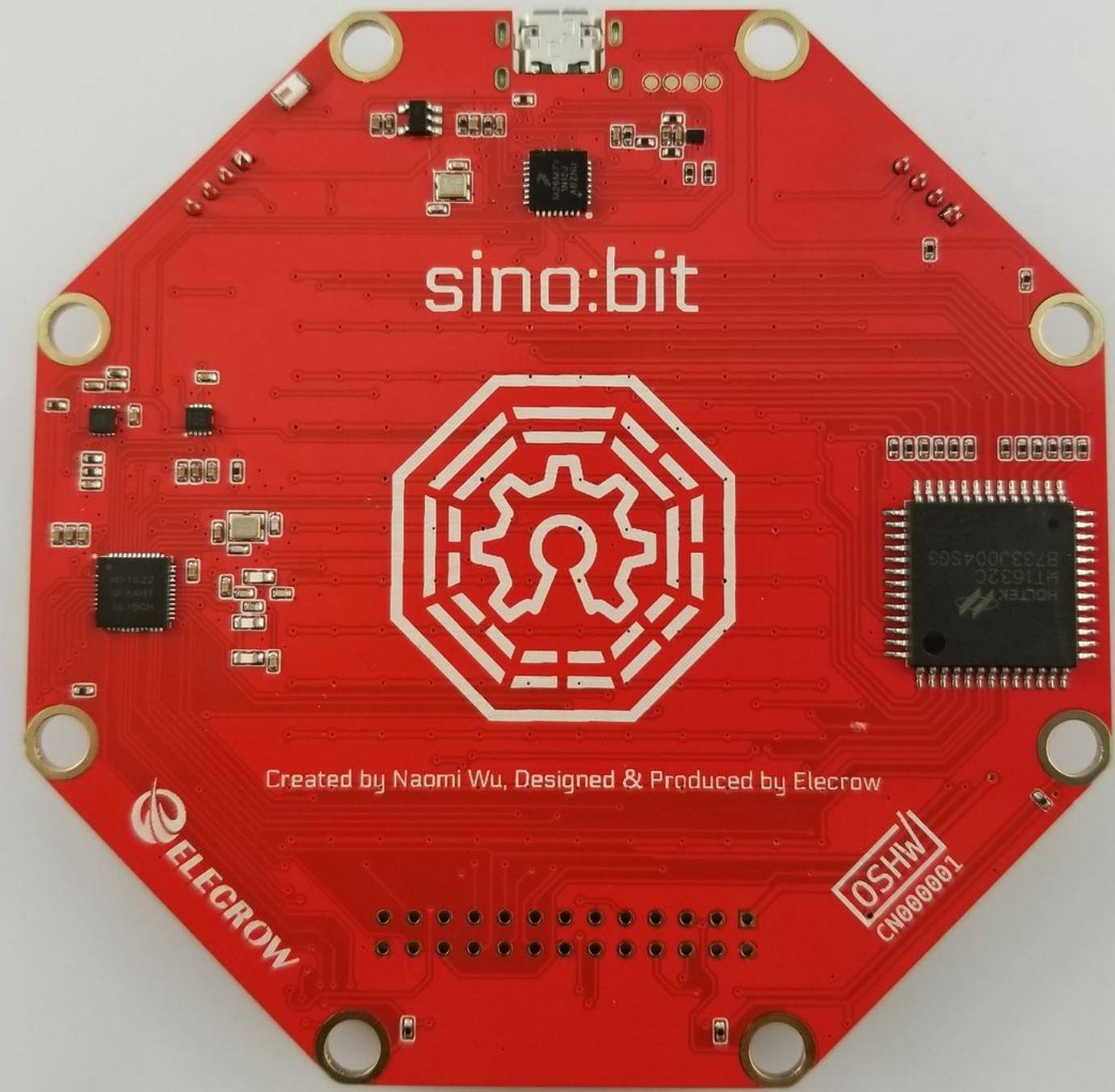






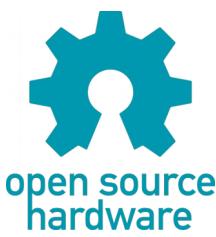
 
open source
hardware

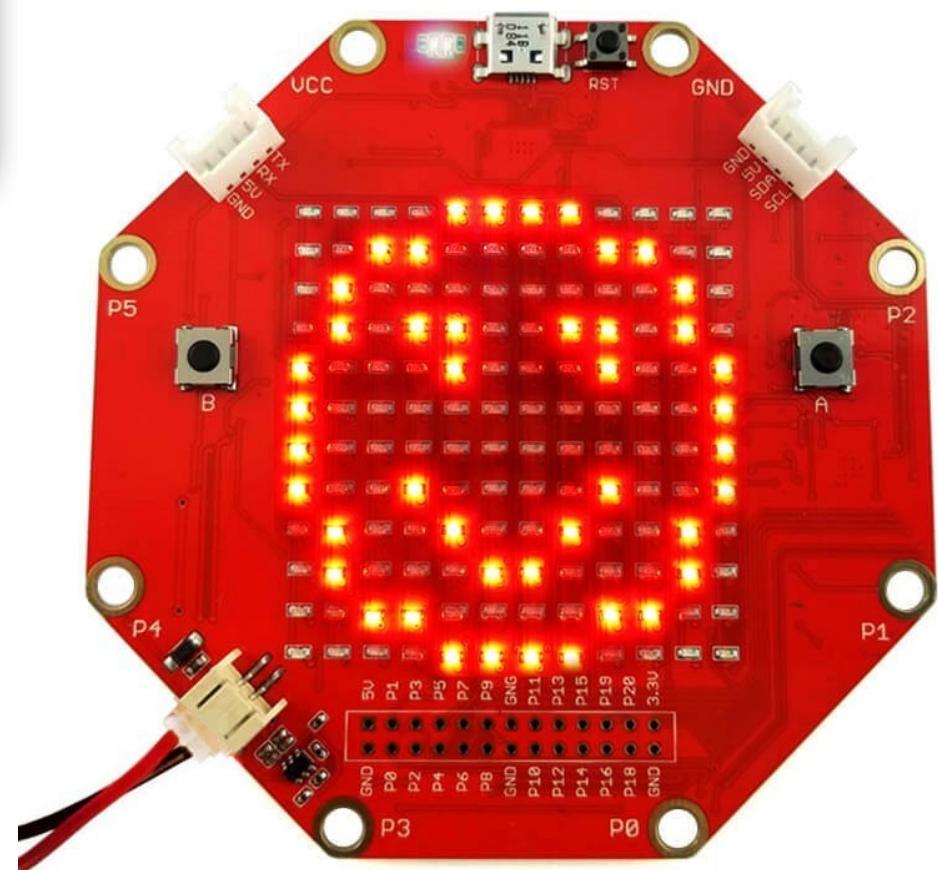
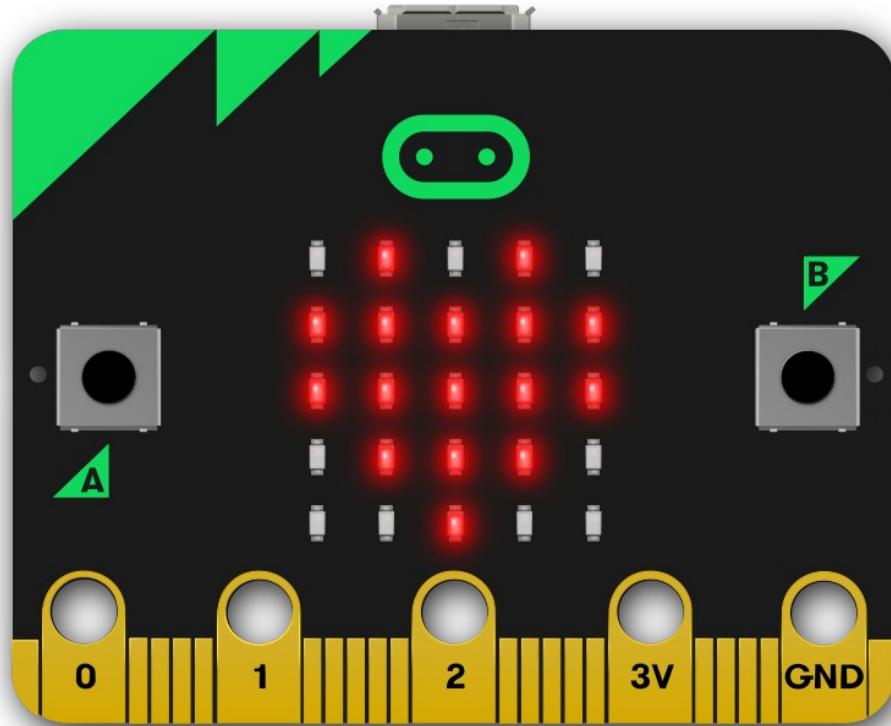


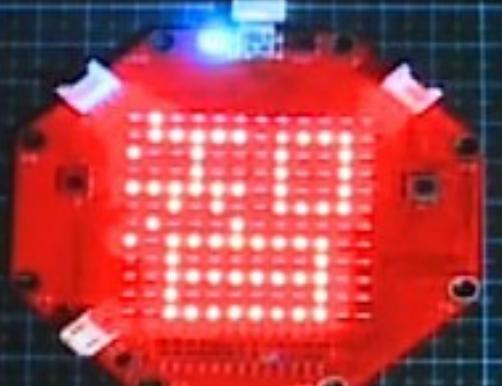
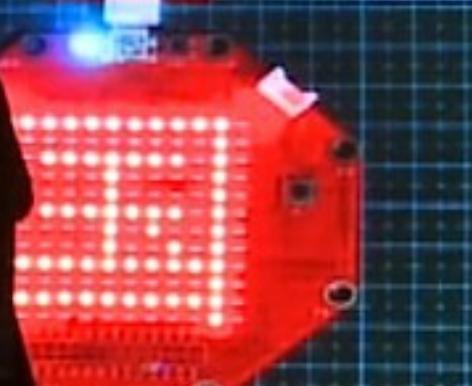
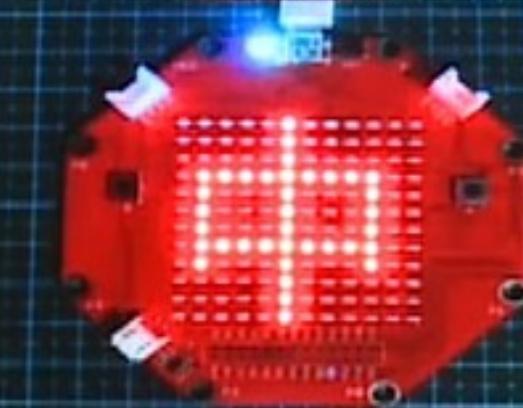
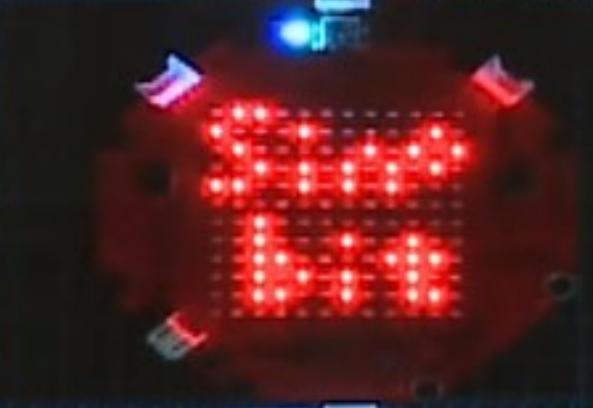
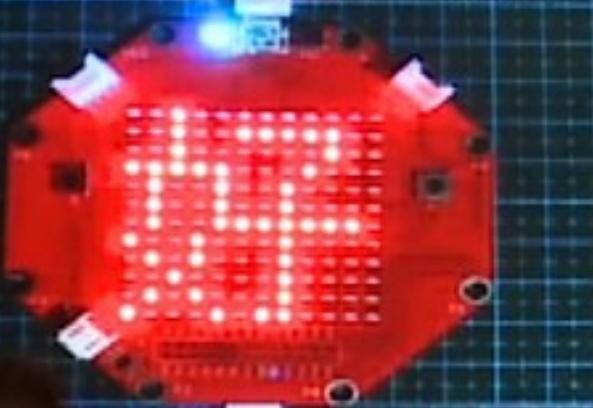
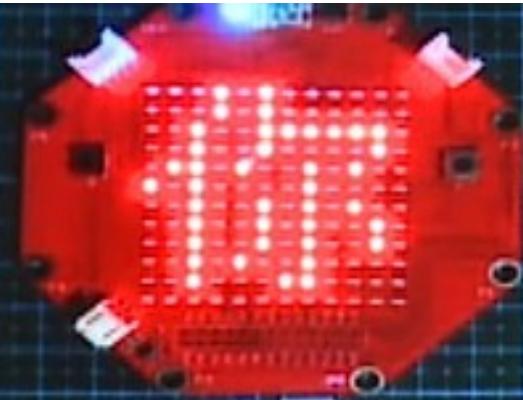
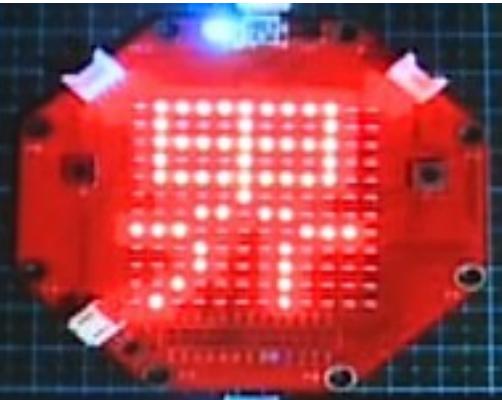
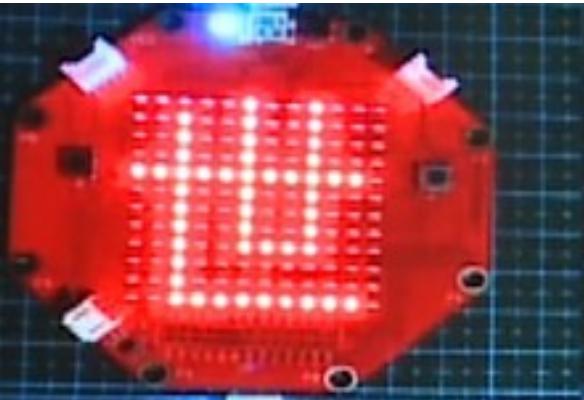


Created by Naomi Wu, Designed & Produced by Elecrow

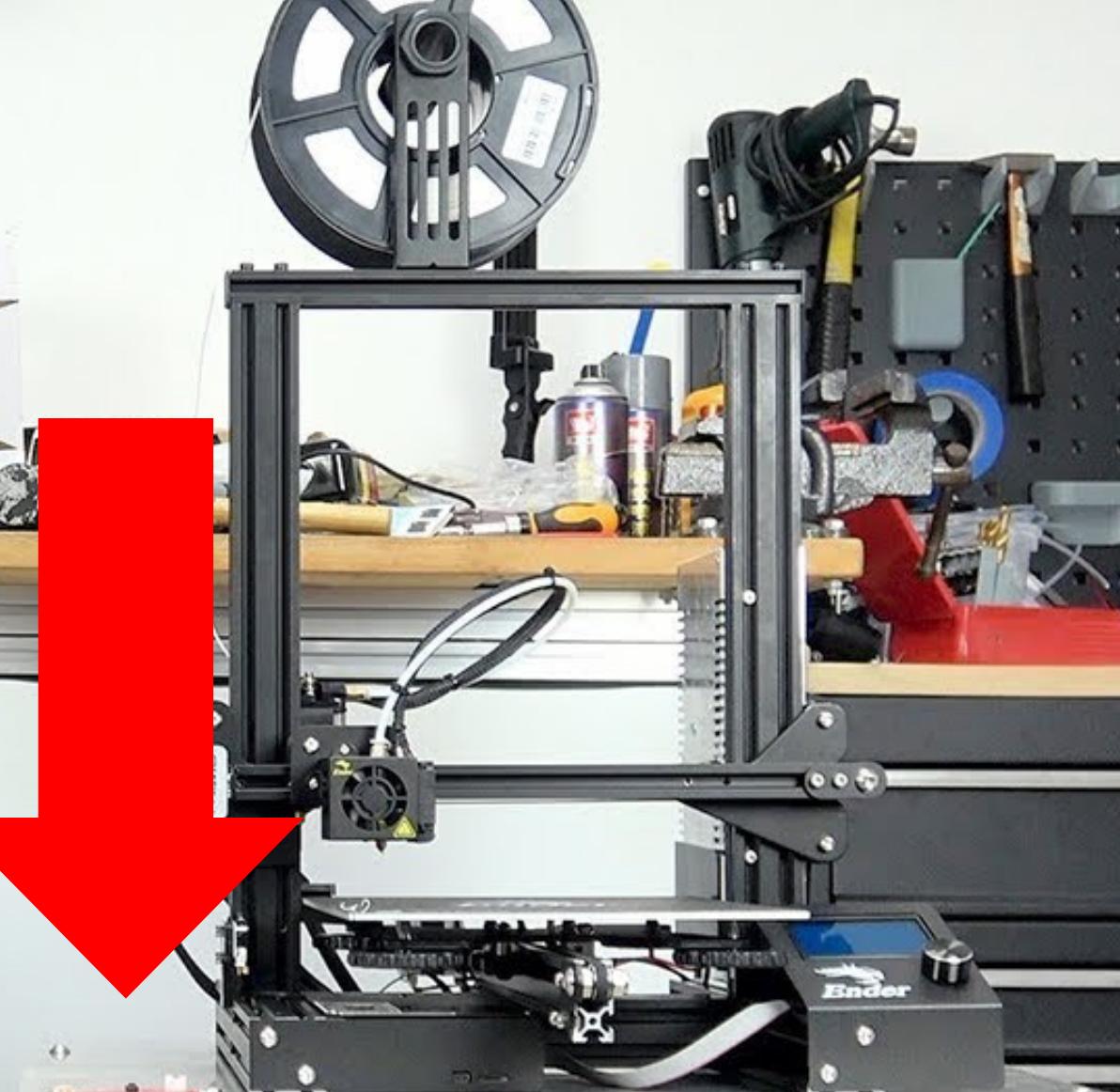
OSHW
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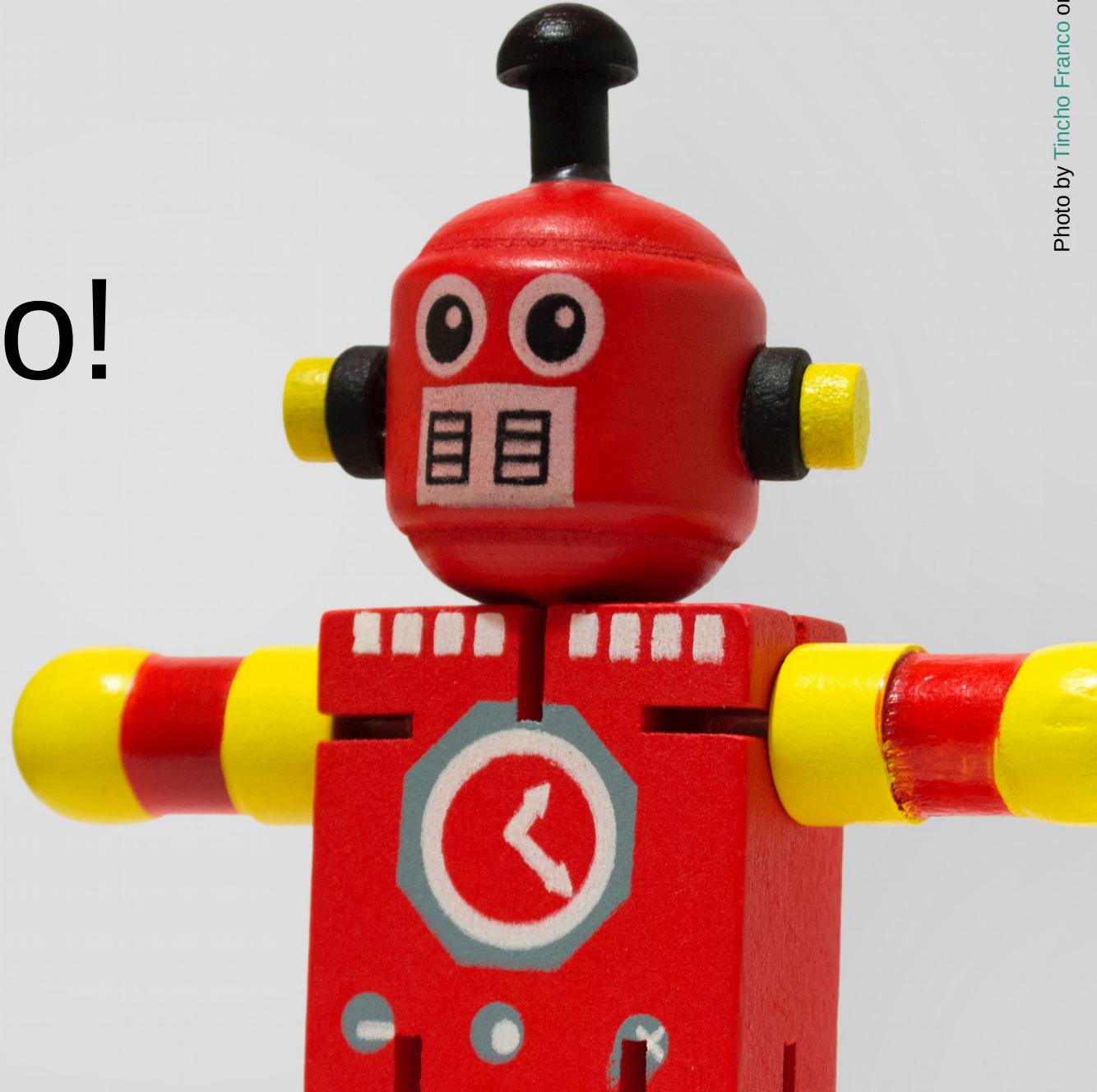


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Obrigado!

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<https://github.com/ocarneiro/apresentacoes>