

ARDUINO

The open source hardware revolution

Energy@home hackathon



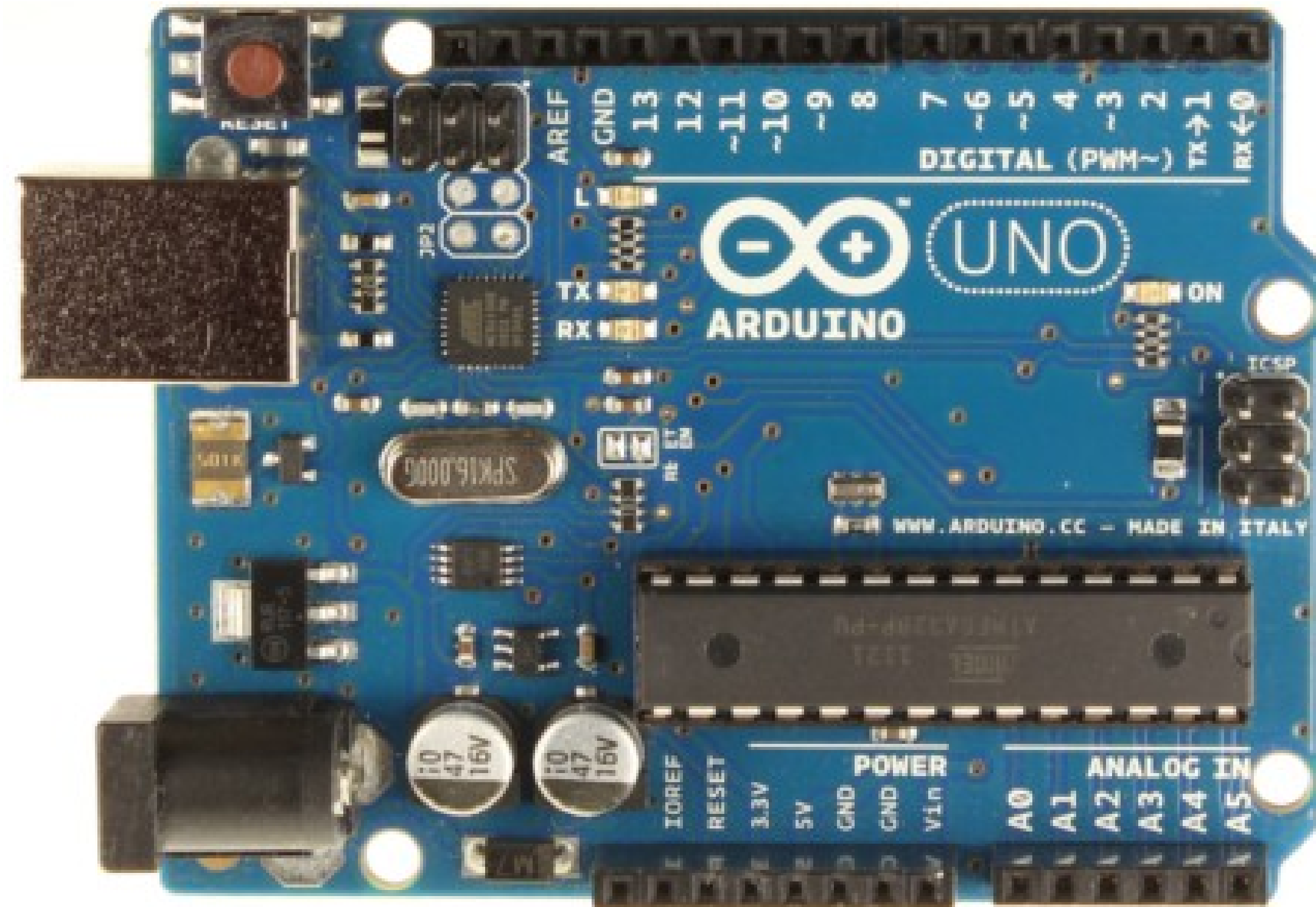
OFFICINE
ARDUINO



FABLAB
TORINO

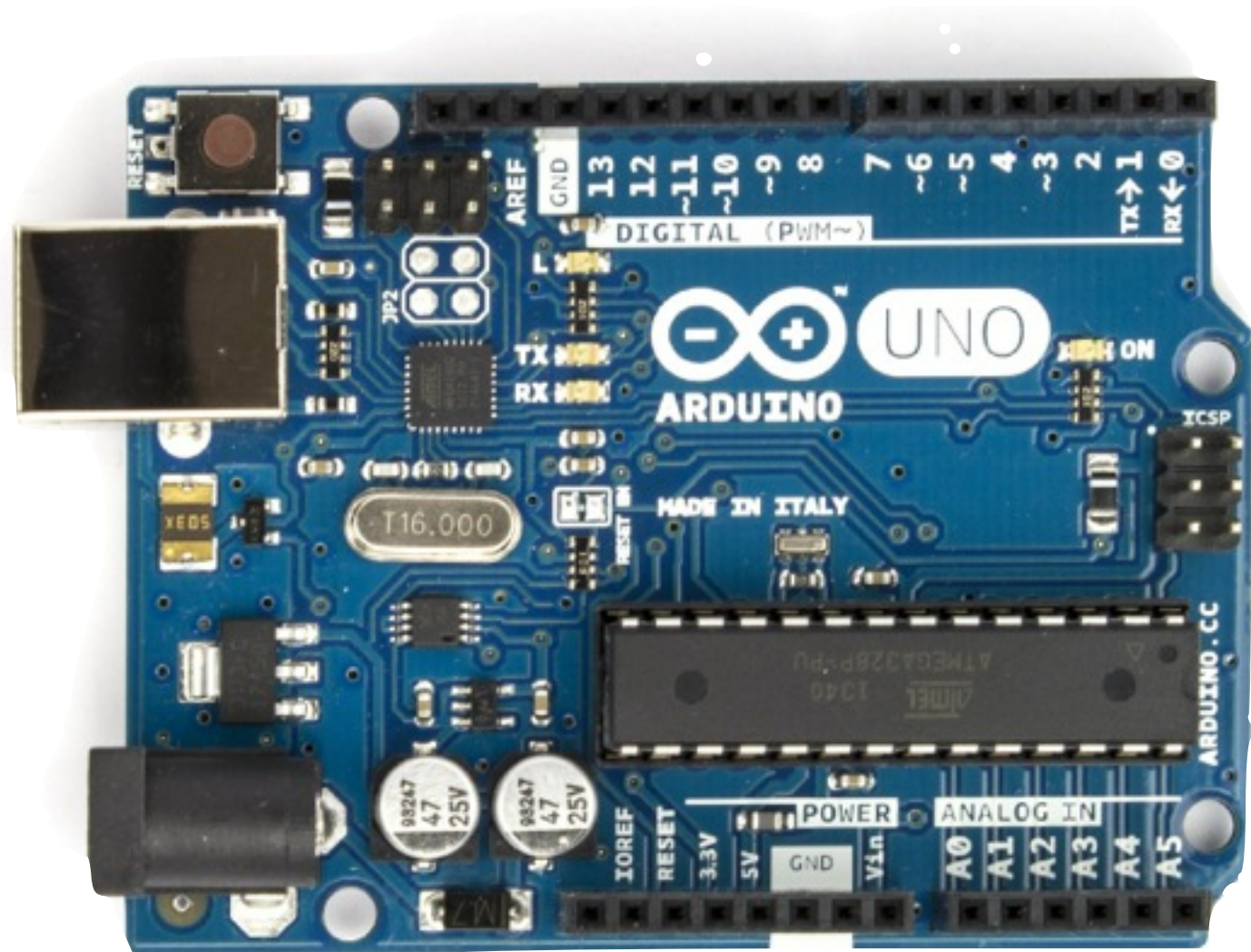


Arduino



Arduino

BOARD



SOFTWARE

```
Blink | Arduino 1.0

/*
 * Blink
 * Turns on an LED on for one second, then off for one second, repeatedly.
 *
 * This example code is in the public domain.
 */

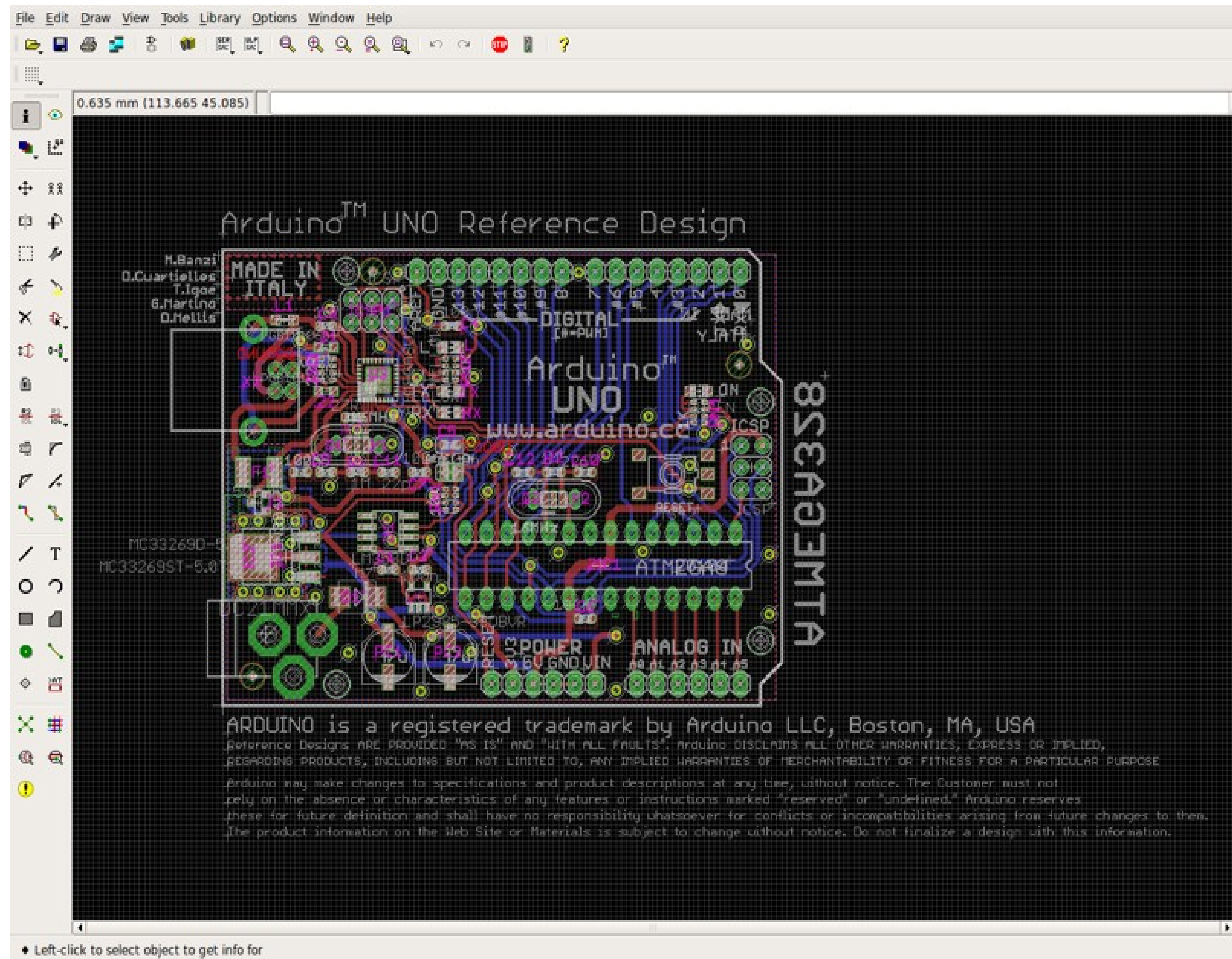
void setup() {
  // initialize the digital pin as an output.
  // Pin 13 has an LED connected on most Arduino boards:
  pinMode(13, OUTPUT);
}

void loop() {
  digitalWrite(13, HIGH); // set the LED on
  delay(1000);            // wait for a second
  digitalWrite(13, LOW);  // set the LED off
  delay(1000);            // wait for a second
}
```

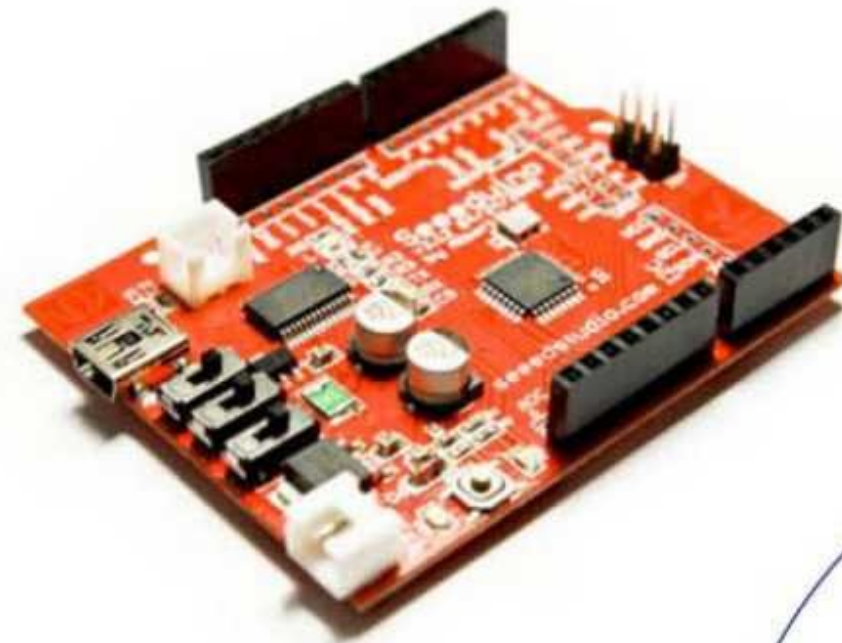
COMMUNITY

ARDUINO Search the Arduino Forum HomeBuyDownloadProductsLearningReferenceSupportBlog LOG INSIGN UP Arduino Forum			
Using Arduino			
+	Installation & Troubleshooting	41,920	9,913
	For problems with Arduino itself, NOT your project	Posts	Topics
	Last post: Today at 02:20 pm Slow compile on Dell M48... by Brinkand		
+	Project Guidance	199,264	27,601
	Advice on general approaches or feasibility	Posts	Topics
	Last post: Today at 02:35 pm Re: Need Help for an Ide... by LordFeneor		
+	Programming Questions	281,491	33,974
	Understanding the language, error messages, etc.	Posts	Topics
	Last post: Today at 03:08 pm Dynamic allocation of a ... by JanHolbo		
+	General Electronics	101,063	10,872
	Resistors, capacitors, breadboards, soldering, etc.	Posts	Topics
	Last post: Today at 02:57 pm Symptoms Of Chronic Fat... by evelfgul		

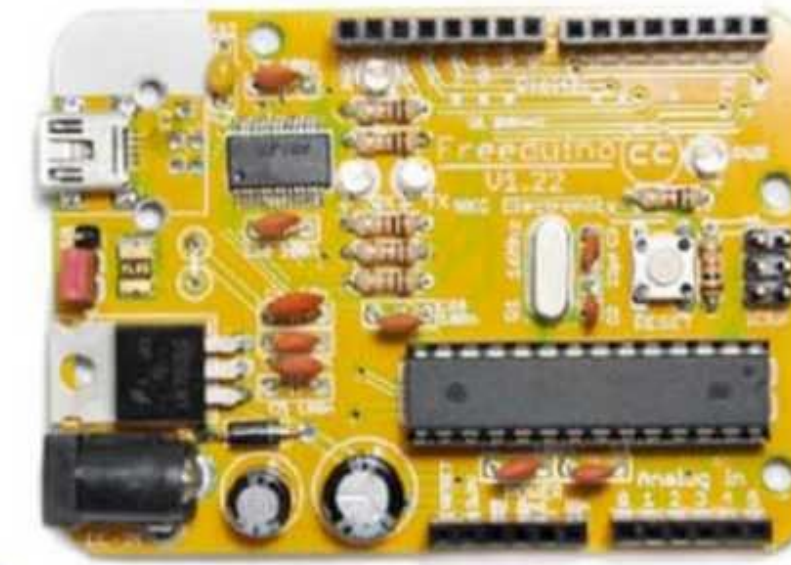
Open source design



Derivates

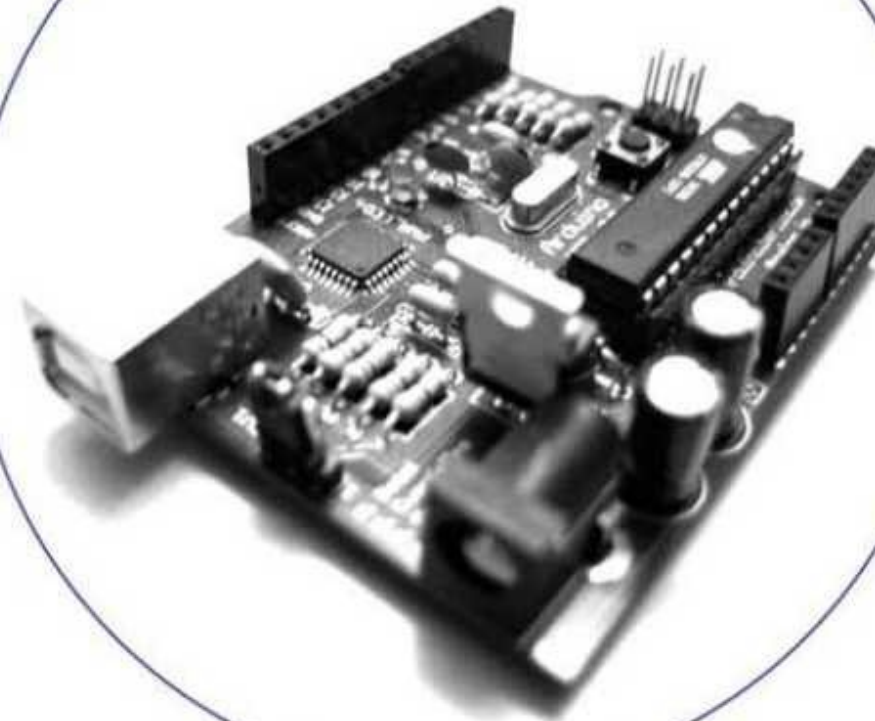


Seeduino



Freeduino

Arduino USB



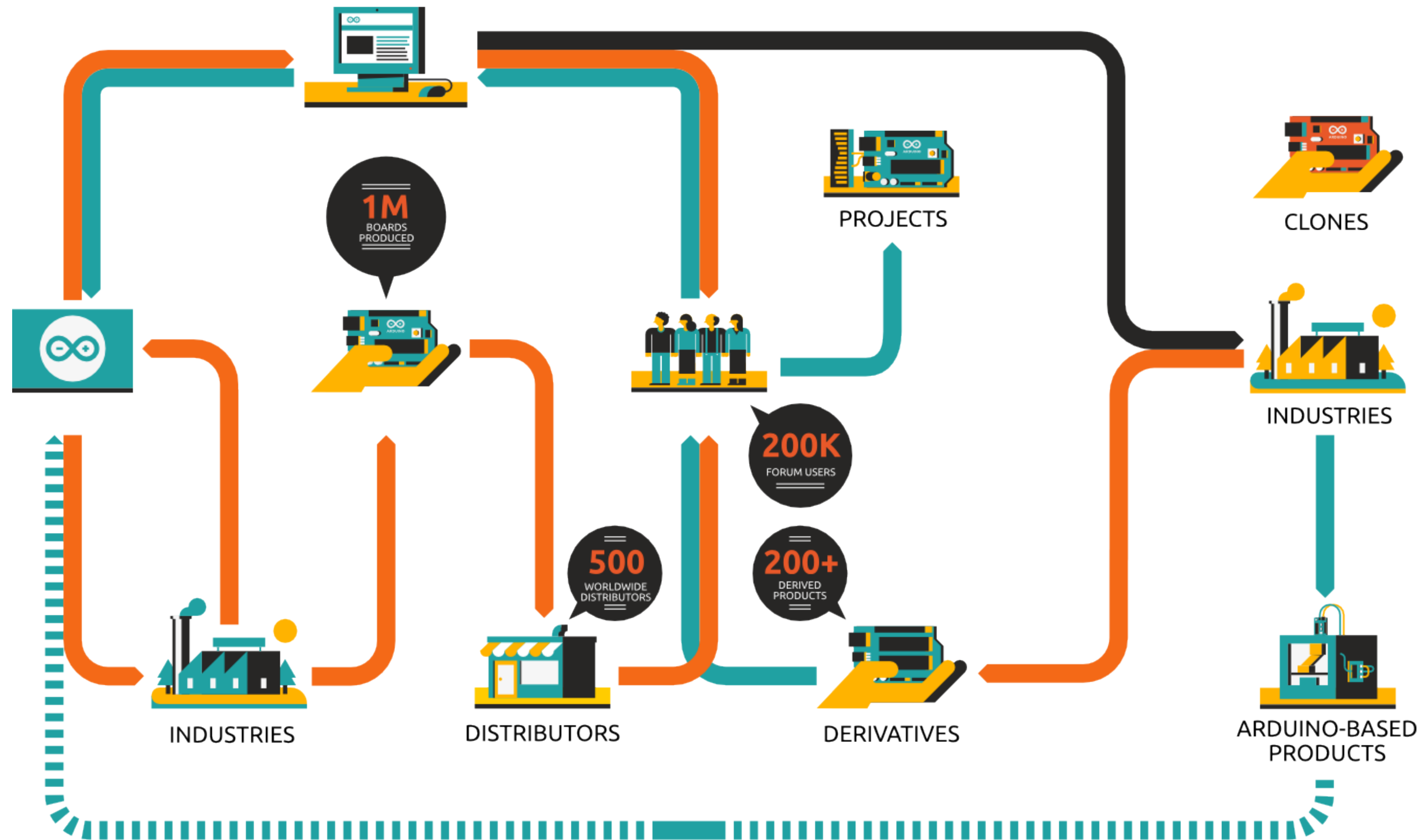
Boarduino



Teensy

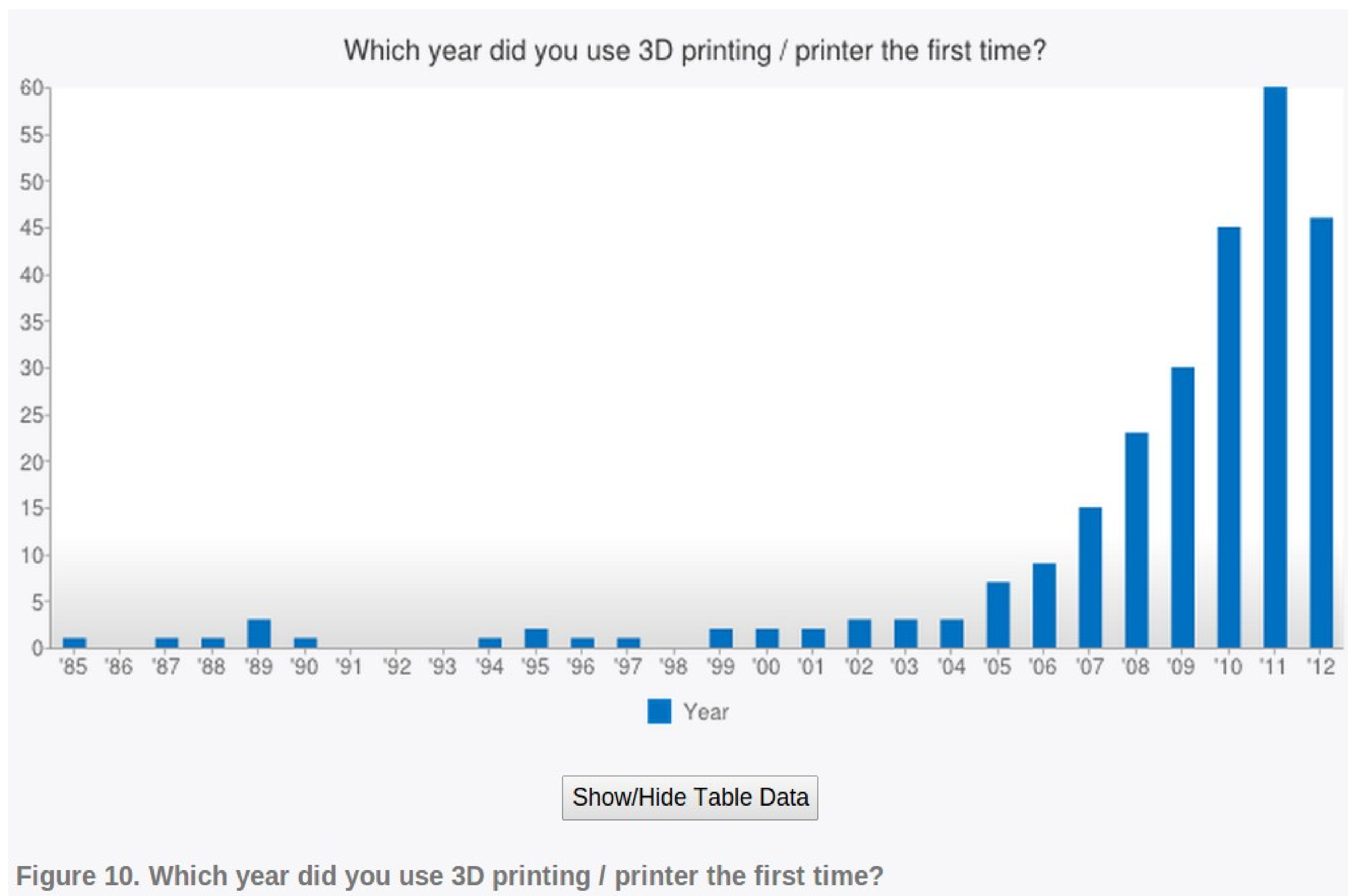


Arduino business model



■ L'ecosistema open hardware non
si ferma con le schede
elettroniche





History of 3D printing 1984 – 2014

Compare Data: RepRap explosion and first time print

<http://surveys.peerproduction.net/2012/05/manufacturing-in-motion/3/>



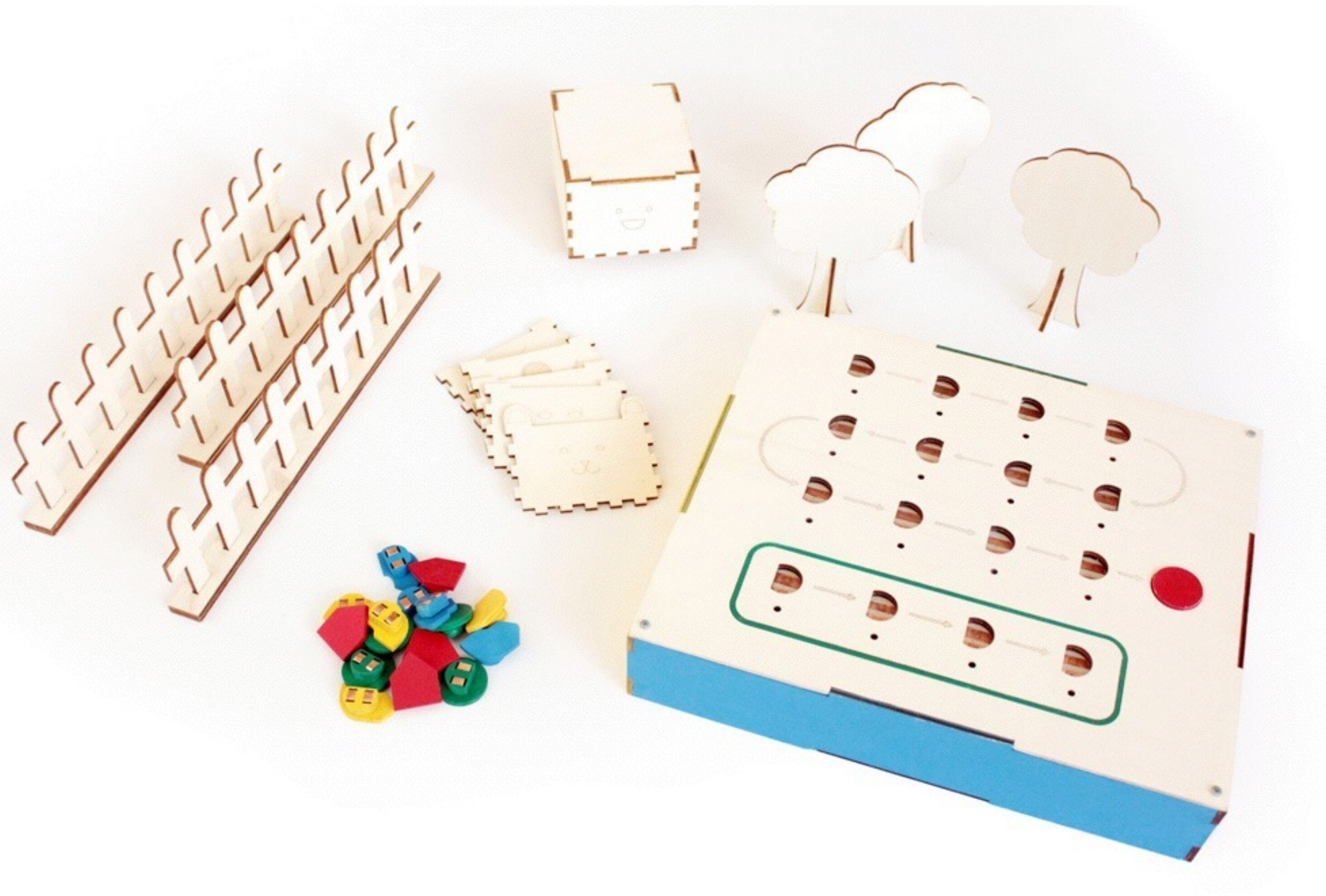
Angelo Raffaele Meo

http://it.wikipedia.org/wiki/Angelo_Raffaele_Meo

« A twenty five years term of patent is nowadays dated.

At the beginning of the 19th century, such long terms allowed producers to pay back the investment. Today, they hamper innovation. Twenty years in the 19th century correspond to 6 months of today »

« I 25 anni di durata di un brevetto sono oggi anacronistici. Ad inizio '800 garantivano al produttore di ritornare dell'investimento fatto, oggi bloccano l'innovazione. Vent'anni dell'800 corrispondono a 6 mesi di oggi»



Primo è un progetto di un gioco educativo per insegnare la programmazione ai bambini. Questo progetto è stato sviluppato e prototipato FabLab, dopo aver avviato un kickstarter hanno avviato un'azienda a Londra per la produzione.

Matteo Loglio

Languages



Publish your derivative



[Edit this Document](#)

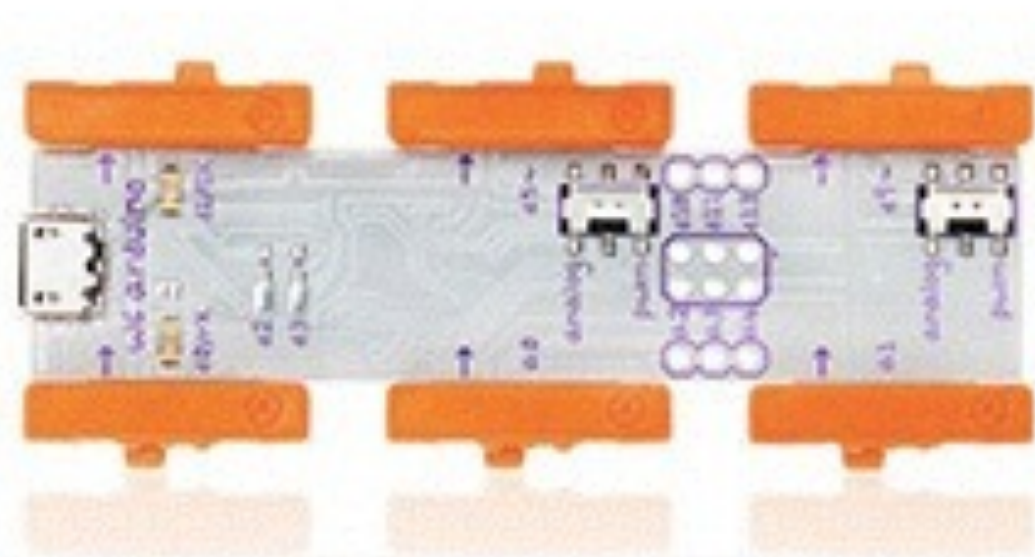
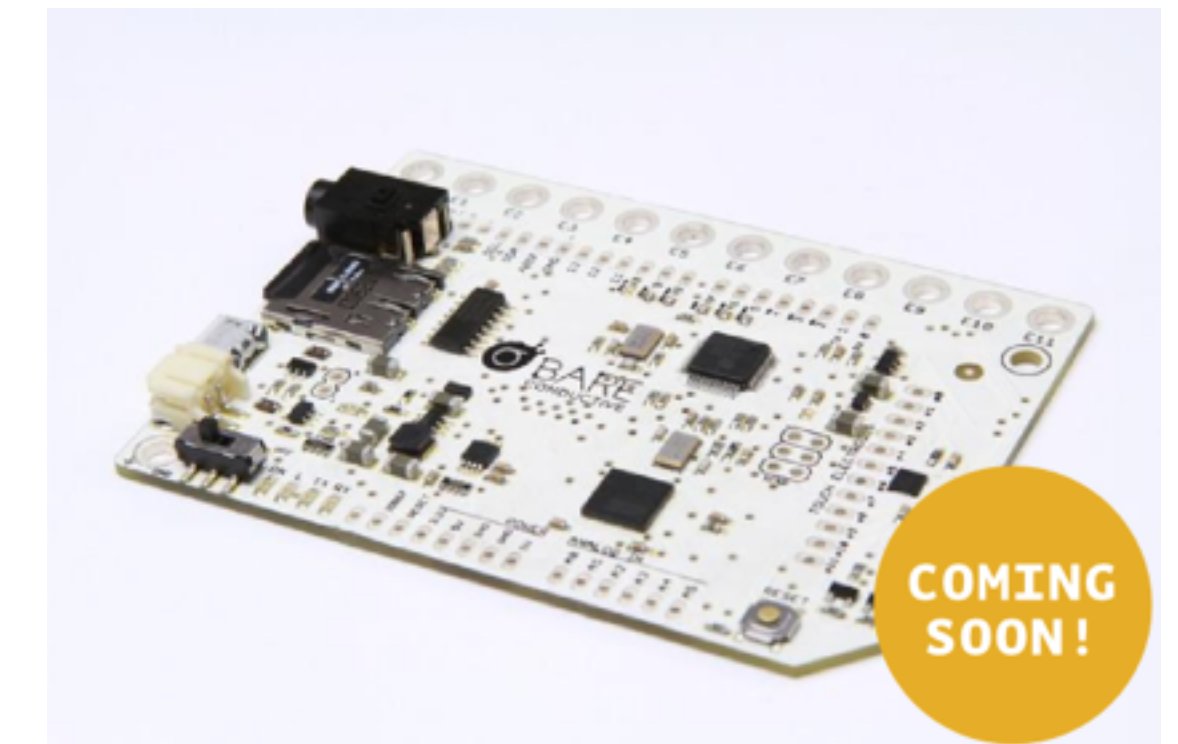
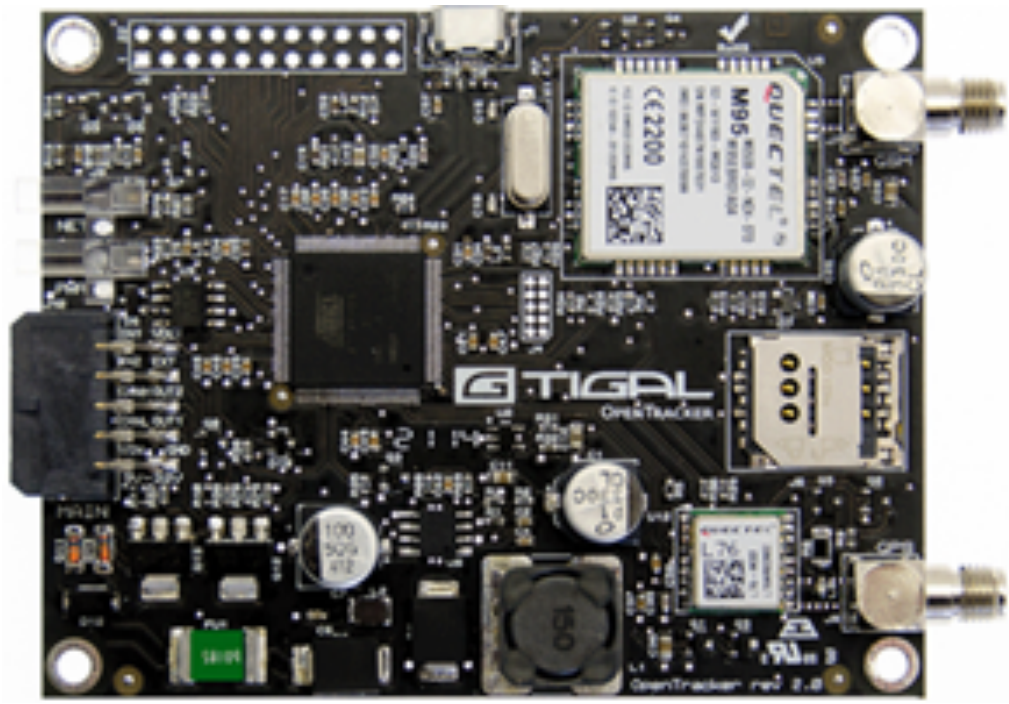


Publish your derivative

If you worked on your Primo derivative, you can publish it here very easily.
We created a checklist to help you build a meaningful document that other people can use.

Tick all of them to see the next steps:

- ☒ Make a Primo Derivative
- ☐ Write a bill of materials with prices and URLs
- ☐ Collect and organise all the design files
- ☐ Write an understandable guide
- ☐ Collect pictures during the process, select the most significative ones and give them meaningful names
- ☐ Draw some sketches of parts that can be misinterpreted
- ☐ Organise all the materials in meaningful sub-folders, like ("images", "schemes", "files", etc)
- ☐ Include your contact information
- ☐ Select a license for your work





CONTROLLINO PLC (ARDUINO compatible)

by SG-TRONIC INC

[Home](#)[Updates](#) 9[Backers](#) 191[Comments](#) 61[Sunnyvale, CA](#)[DIY Electronics](#)

Funded! This project was successfully funded on November 7.



191

Backers

\$65,829

pledged of \$50,000 goal

0

seconds to go



Project by

SG-TRONIC INC

[Sunnyvale, CA](#)

2 created · 0 backed

 Has not connected Facebook

 [controllino.cc](#)

 Share 3,828

 Tweet

 Embed



The Global Village Construction Set

40

Industrial
Machines



Open Desk

Designs

Makers



Studio

Workshop

Designer furniture for your work space

Available to download and make in [Italy](#)

[desks](#)

[tables](#)

[storage](#)

[seating](#)

[subscribe to mailing list »](#)



Desk

by: Joni Steiner & Nick Ierodiaconou



Standing Desk

by: Joni Steiner & Nick Ierodiaconou



Olivia Desk

by: Joni Steiner



Meeting

by: David & Joni Steiner



Cafe

by: David & Joni Steiner



Edie Table

by: David & Joni Steiner



Open IDEO



Where people design better, together



OpenIDEO is an open innovation platform.
Join our global community to solve big challenges
for social good. [Sign up](#), [Login](#) or [Learn more](#)



FEATURED CHALLENGE

Sponsored by The Amplify Program

How might parents in low-income communities ensure children thrive in their first five years?

In the Zero to Five Challenge we are asking the OpenIDEO community to collaboratively design solutions that ensure children everywhere not only survive – but thrive – in their early years. [Read The Challenge Brief](#)



[PARTICIPATE NOW](#)



OPEN SOURCE = COMMUNITY

- IDEATION
- DEVELOPMENT
- FUNDRAISING
- DISTRIBUTION

HACKERSPACES, MAKERSPACES E FABLAB



■ Arduino sparked a movement

THE MAKER MOVEMENT

AN EXTENSION OF DIY CULTURE WITH AN EMPHASIS ON **TECHNOLOGY, ENGINEERING AND FABRICATION**. MAKERS USE A COMBINATION OF HOME TOOLS, EQUIPMENT AT LOCAL HACKERSPACES, AND **ONLINE FABRICATION SERVICES** TO **BUILD, PROTOTYPE, MAKE AND MANUFACTURE** ALL KINDS OF THINGS. THE MAKER MOVEMENT VALUES **COMMUNITY & COLLABORATION**, OPEN SOURCE MODELS, AND A SPIRIT OF ***experimentation.***

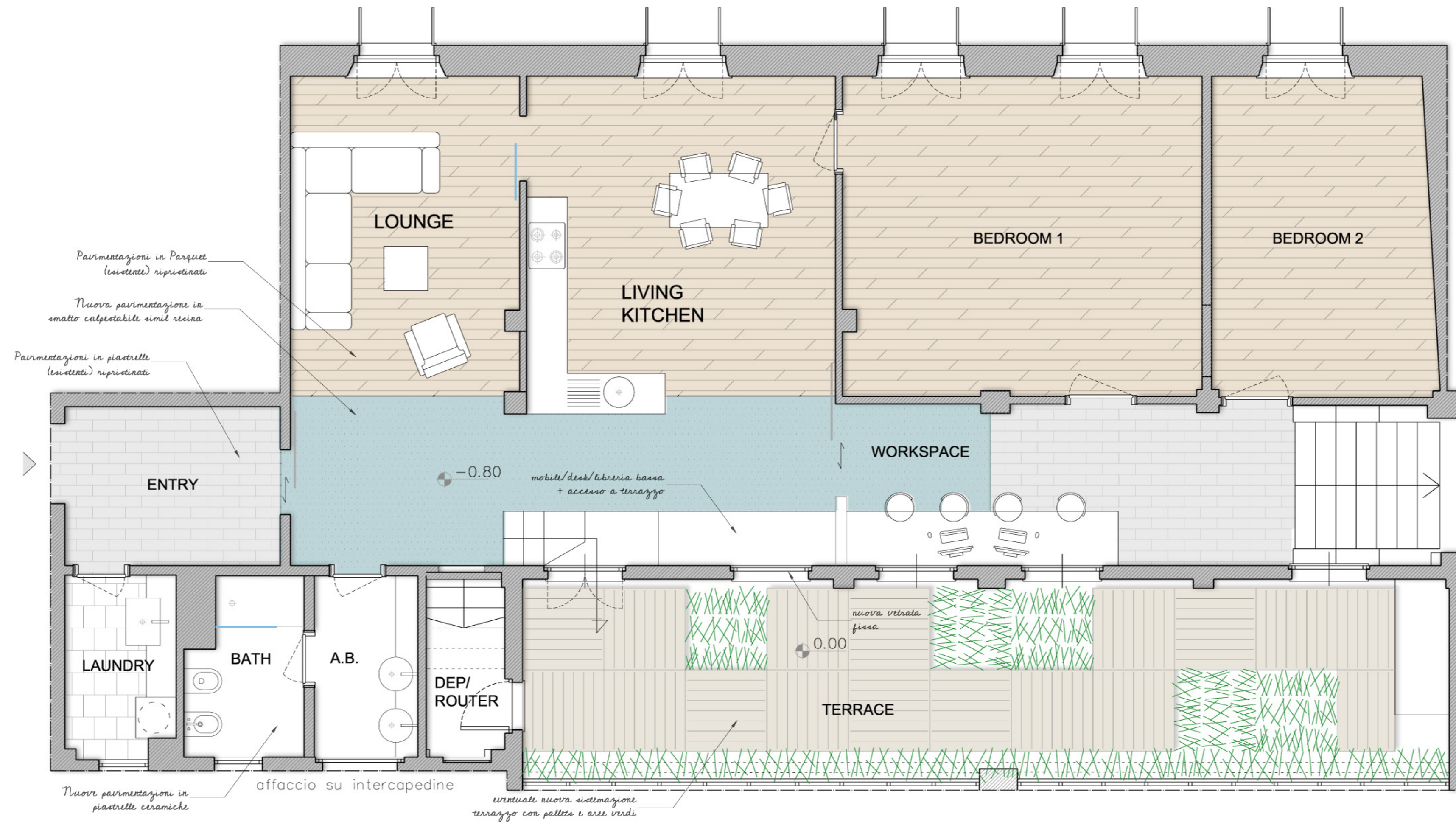
And an all industry





THE OPEN SOURCE WAY
TO THE CONNECTED HOME

A BIG SPACE FOR UNLIMITED OPPORTUNITIES



WHY

CASA JASMINA?



TEST - BED

The apartment will serve as test bed for experiments and researches on connected products and open source furniture.



EXHIBITION SPACE

The house will showcase best practices and innovative design opening up the discussion on connected home to the public.

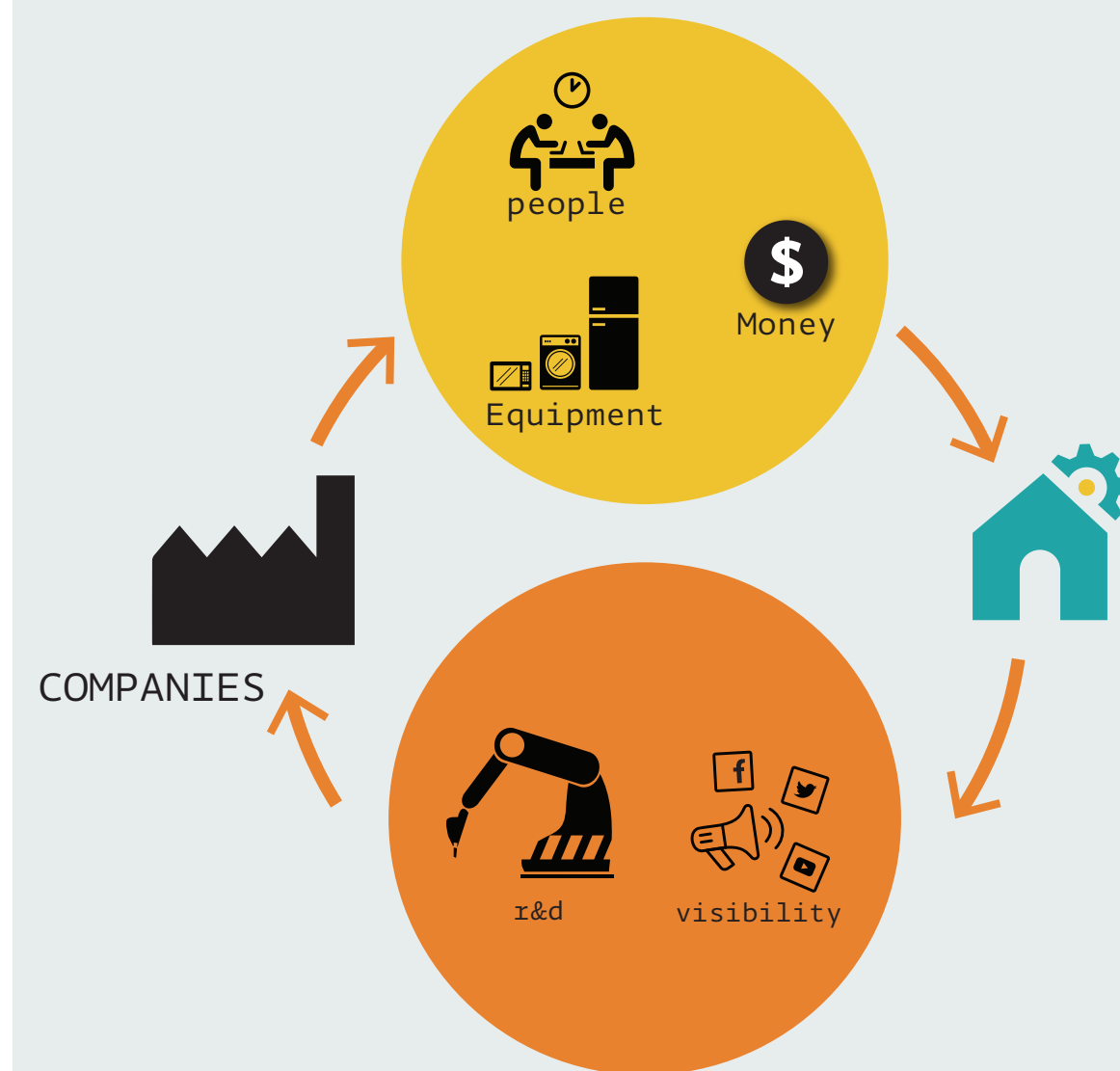


GUEST HOUSE

CASA JASMINA is not just a showcase apartment. People will be able to rent out the place on Airbnb for short periods and live in it.

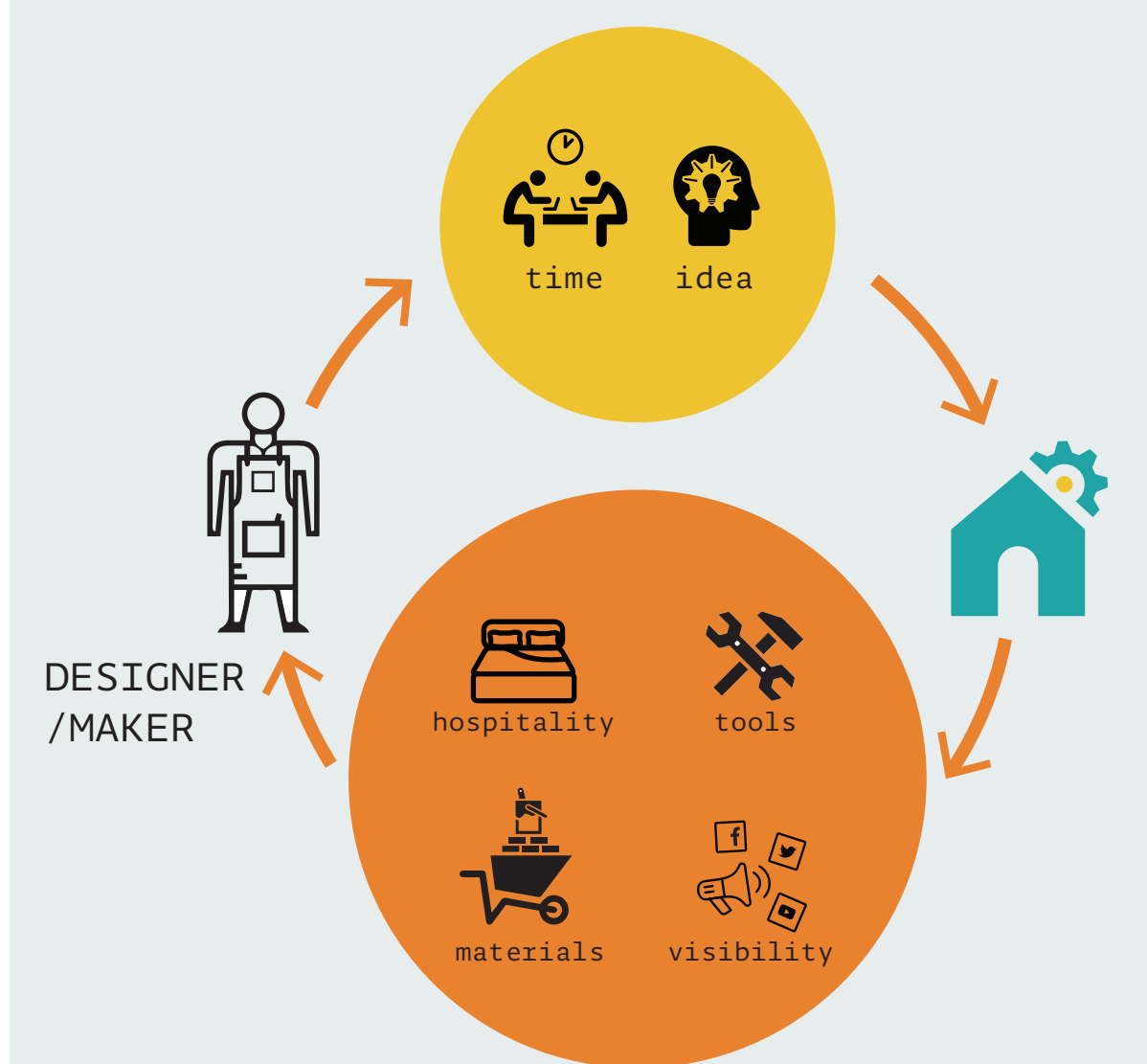
WIDE VARIETY OF PARTNERSHIP POSSIBILITIES

Sponsorship



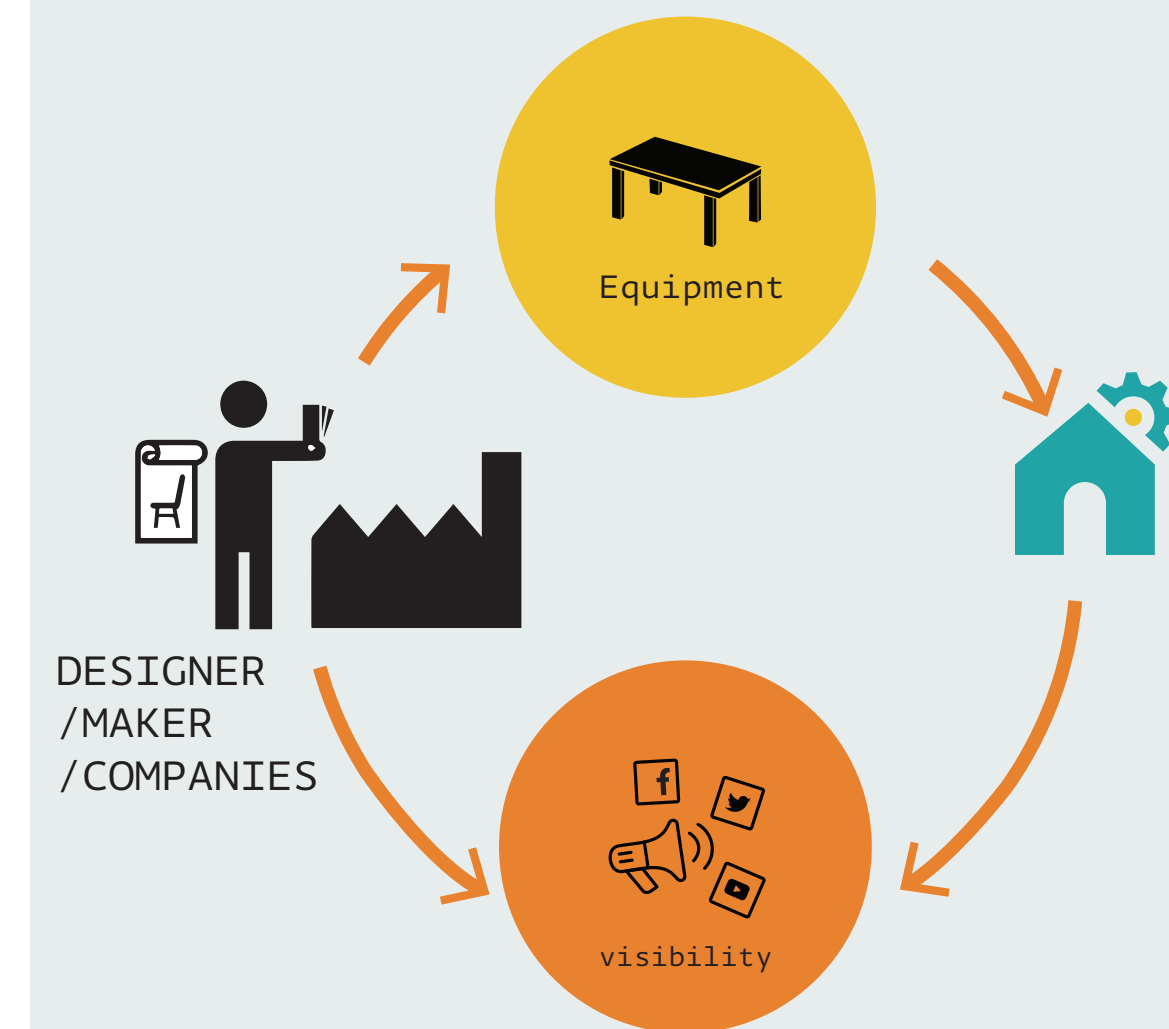
Companies can sponsor the project in exchange of communication and visibility. Moreover sponsor will benefit from the results of the research carried out in the apartment.

Residency



The apartment will offer residency to designers and makers willing to develop a project to be installed in the apartment.

Showcase



Companies, maker and designer can contribute to **CASA JASMINA** offering products to be showcased inside the apartment.



GRAZIE!

[l.romagnoli @ arduino.cc](mailto:l.romagnoli@arduino.cc)