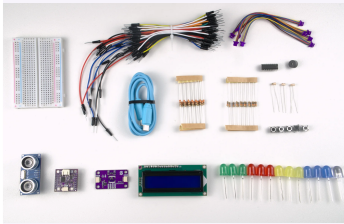


PRODUCT DATASHEET



Embedded Journey Kit - Zero to Hero

333371

The Embedded Journey Kit transforms beginners into makers with hands-on projects using the NULA Mini ESP32-C6 and plug-and-play modules.

Full product documentation, files and tutorials: solde.red/333371

CORE ATTRIBUTES

SKU 333371

WEIGHT 800 g

BARCODE 732388643202

DESCRIPTION

Start from zero, become a hero.

NULA means **zero** in Croatian. This kit is your path from absolute beginner to capable maker. Built around the **NULA Mini ESP32-C6**, a breadboard-ready programmable board with Wi-Fi 6 and Bluetooth 5.3, it supports both **Arduino** and **MicroPython**. You'll quickly move from blinking your first LED to building connected IoT devices without feeling lost or overwhelmed.

The kit bridges two worlds: **plug-and-play Qwiic modules** (no soldering required) and classic breadboard components for hands-on circuit building.

- **Qwiic ecosystem:** 16×2 LCD, ultrasonic distance sensor, and SHTC3 temperature/humidity sensor connect easily to the NULA Mini
- **Classic components:** Mini breadboard, LEDs, photoresistors, buzzer, shift register (74HC595), resistors, and jumper wires for fundamental experimentation

You get step-by-step documentation and tutorials for both Arduino and MicroPython, plus **20 guided projects** that build practical skills:

- Blinking LEDs and button interactions
- Light sensing and LCD text displays
- Distance measurement and Wi-Fi communication
- Smart weather station, mini piano, parking sensor
- Morse code transmitter, alarm clock, traffic light simulator
- And more

Designed for **STEM classrooms**, workshops, and self-learners, this kit helps you move from theory to creating something that works. Our tutorials get you started quickly while teaching you why circuits work, not just how to copy them.

Ready to start from zero?

TECHNICAL DETAILS

- NULA Mini ESP32-C6 (with male headers)
- LCD Display 16×2 (qwiic)
- Distance Sensor HC-SR04 (qwiic)
- Temperature and Humidity Sensor SHTC3 (qwiic)
- Qwiic Cable 10cm (5x)
- Mini Breadboard
- Jumper Wire Set for Breadboard
- 10mm colorful LED diode (13x)
- 10k Photoresistor (3x)
- Buzzer
- Shift register IC
- 15× 10k THT Resistor
- 25× 330Ω Resistor
- 5x Push button
- USB-C cable

SPECIFICATIONS

DEV ENVIRONMENTS	Arduino IDE, MicroPython
MCU PART NUMBER	ESP32-C6
POWER SOURCE	Usb C
REPROGRAMMABLE	Yes

LINKS

MicroPython: Get Started	https://docs.soldered.com/soldered-nula-beginner-kit-micropython/setting-up/
MicroPython Module	https://github.com/SolderedElectronics/Soldered-NULA-Beginner-kit-MicroPython-project-examples
Arduino Library	https://github.com/SolderedElectronics/Soldered-NULA-Beginner-kit-Arduino-project-examples
Arduino: Get Started	https://docs.soldered.com/soldered-nula-beginner-kit-arduino/setting-arduino-environment/

GALLERY

