



STEMTera (Black)

DEV-14082 ROHS

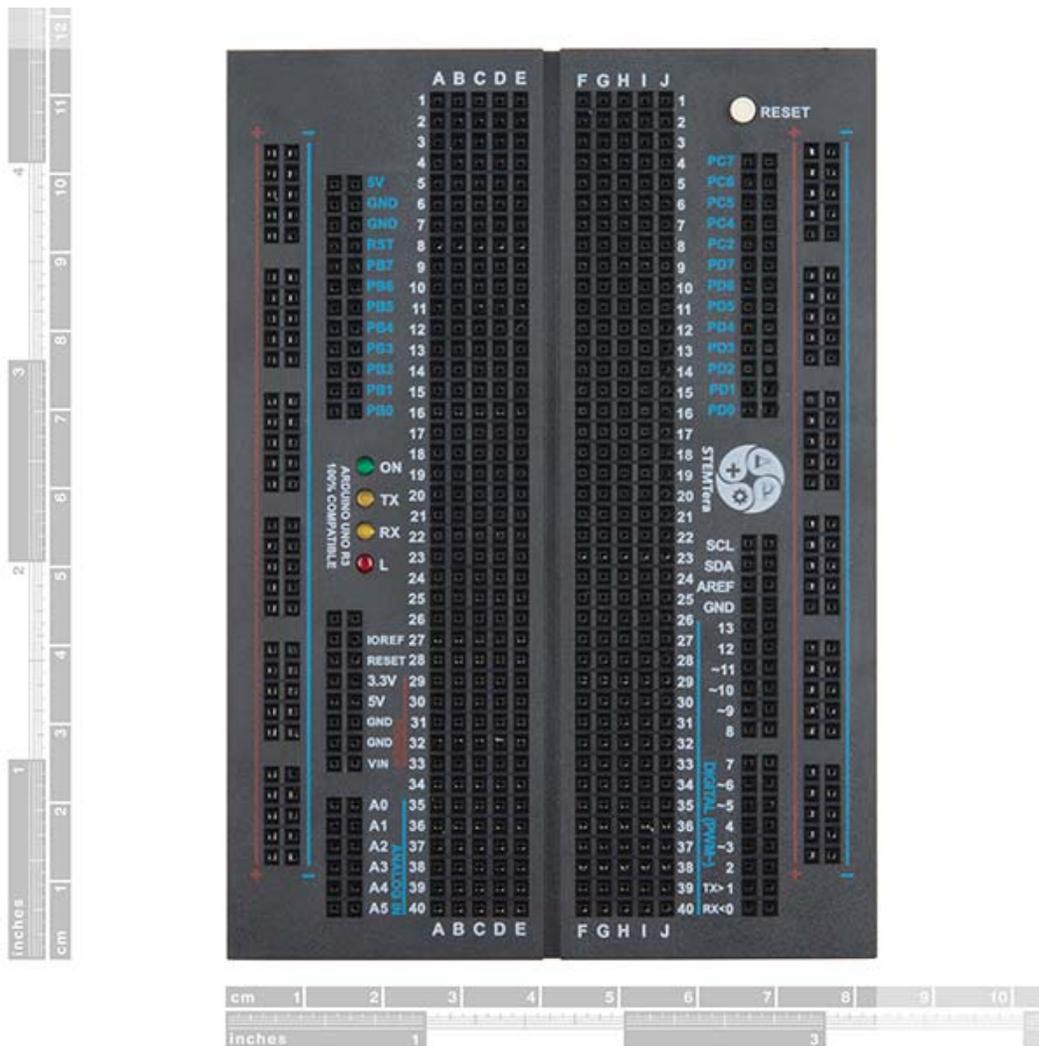
The STEMTera is an innovation in breadboard history. It is the first breadboard with an Arduino-compatible hardware suite built in that works with thousands of shields. With ATmega32U2 pins exposed, native USB projects can be easily developed using the LUFA framework. The STEMTera also features a LEGO®brick-compatible bottom that empowers projects to be built beyond imagination. This version of the STEMTera is housed in a durable black ABS plastic enclosure.

Since the STEMTera is a development board built directly into a breadboard, it eliminates the need for messy wires to be strewn about your work space. By having two microcontrollers built inside the breadboard, it provides direct access to the ATmega328P's I/O pins. With the 21 I/O pins of the ATmega32U2 exposed, users will be able to develop native USB projects with ease. These extra I/O pins can work directly with the LUFA framework without having a middleman to translate messages as with the original Arduino UNO. Additionally, the STEMTera is pin-to-pin compatible with an Arduino UNO R3 shield and supports multiple IDEs, including: Atmel® Studio, Arduino IDE, AVR-GCC, AVR-GCC with LUFA, Scratch and more!

The STEMTera even has a LEGO-compatible 10x14 bottom cover that enables LEGO bricks to be connected directly into the breadboard without using special mounting techniques or adapters

Features

- Dual Microcontroller – ATmega328P & ATmega32U2
- LEGO® Compatible Bottom Cover
- USB Native Development
- 4 LEDs (Power, TX, RX and L)
- Black ABS Enclosure
- IDE Support
 - Atmel® Studio
 - Arduino IDE
 - AVR-GCC
 - AVR-GCC with LUFA
 - Scratch
- 111.8mm x 79.8mm x 16.1mm



<https://www.sparkfun.com/products/14082> 3-20-18