STEMTera (Pink)

DEV-14084 RoHS



Description: 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 ATmega16U2/32U2 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 pink 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 ATmega328P and ATmega16U2's IO pins. With the 21 IO pins of the ATmega32U2 exposed, users will be able to develop native USB projects with ease. These extra IO 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.

Note: The STEMTera is available for pre-order. We expect orders to start shipping very soon. Adding a pre-order product to an order may cause a delay. Be sure to uncheck "ship complete order" in your cart to avoid delays in shipping in-stock items.

Dimensions: 111.8mm x 79.8mm x 16.1mm

Features:

- Dual Microcontroller – ATmega328P & ATmega16U2
- LEGO® Compatible Bottom Cover
- USB Native Development
- 4 LEDs (Power, TX, RX and L)
- Pink ABS Enclosure
- IDE Support
    - Atmel® Studio
    - Arduino IDE
    - AVR-GCC
    - AVR-GCC with LUFA
    - Scratch