

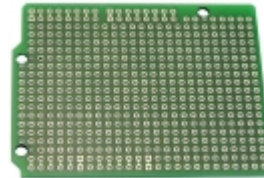


Technological Arts Inc.

Technological Arts

Arduino-compatible Prototyping Shield 1

USD \$3.00



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Description

This design consists of a "sea of holes" placed on a 0.1" grid for easy soldering of standard components. It is a double-sided board with plated-through holes. Footprints are provided for standard Arduino/Esduino headers, and each header signal is brought out to an adjacent pad for easy interface to your application circuit.

How To Use

Print out the actual-size layout pattern included in the [datasheet PDF](#) as a template to plan your component layout and wiring. Then solder the components in place, and use ordinary wire-wrap wire (i.e. Kynar AWG30 wire) to make the interconnections. Component pins will have three extra pads associated with them, making it easy to make multiple connections to one signal (e.g. a capacitor lead, a resistor lead, and the lead of a crystal). Arduino and EsduinoXtreme signals appear on the outer rows of header pads, while the additional signals available on certain Kinetis Freedom boards appear on the inner rows. Access the signals you need by soldering one end of your point-to-point wiring to the designated pin. If you're using stackable headers, you'll have to solder to the header pins on the bottom. To accomplish point-to-point wiring, just cut wires to length, strip a little insulation off the ends, and solder directly to the desired pads on the bottom of the board. Wiring can be routed on the top of the board or the bottom-- or both! Many a high-density prototype has been

reliably and efficiently constructed using this approach.

[Vendor Information](#)

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