CANADUINO

Bread Board Buddy
for Atmega328P-PU Arduino Uno MCU, DIY kit

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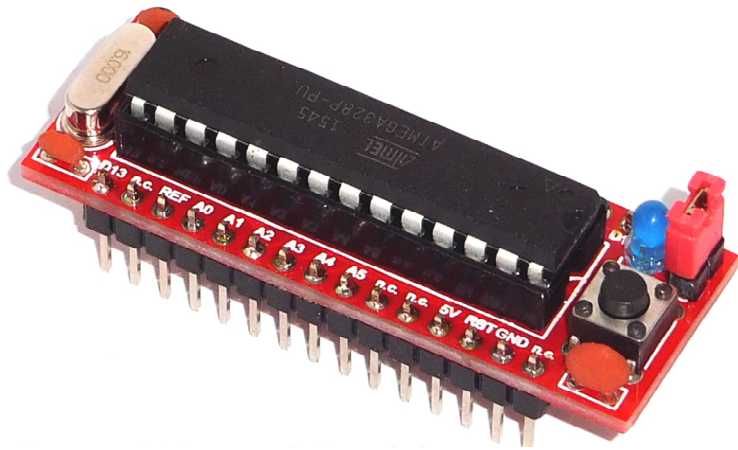date: 2017-02-11
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CANADUINO Bread Board Buddy is your little helper to move your Arduino Uno project on a bread board, and back to your Arduino Uno board. Bread Board Buddy has the crystal, the reset button, and the D13 LED on board, and is like a very tiny Arduino Uno board. Additional, the pinout resembles an Arduino Nano. This makes Bread Board Buddy the perfect replacement for Arduino Uno AND Nano for your bread board projects!
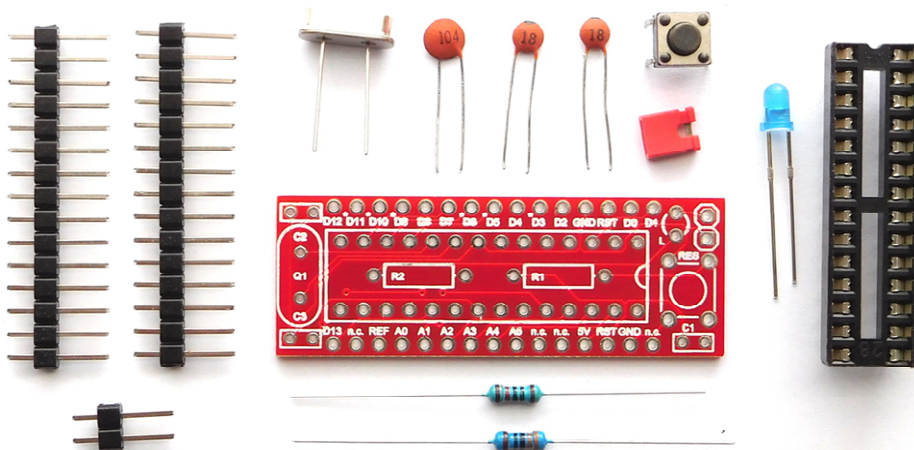

Bread Board Buddy DIY kit:
The kit contains the PCB and all parts as shown, but not the Atmega328P-PU MCU. The LED is connected to pin D13, but can be disconnected by removing the jumper cap. The foot print is compatible with Arduino Nano, but without the voltage regulator pins (3.3V, Vin) and the analog inputs A6 and A7.

Bread Board Buddy will work with any voltage between 3.8 and 5.5V DC. Higher voltage will immediately brick your Atmel controller, lower voltage can cause malfunctions and unexpected behaviour.

For an easier assembling, start with the 2 resistors and proceed with crystal and capacitors. Assemble the socket and the connectors as last.

- Please ensure the LED is mounted with the long lead facing the reset button!
- These are the parts:
  - R1   10k Ohm
  - R2   330-680 Ohm
  - C1   100nF
  - C2+3   18pF
  - All other parts are obvious.

for further information please visit www.universal-solder.com