Description:
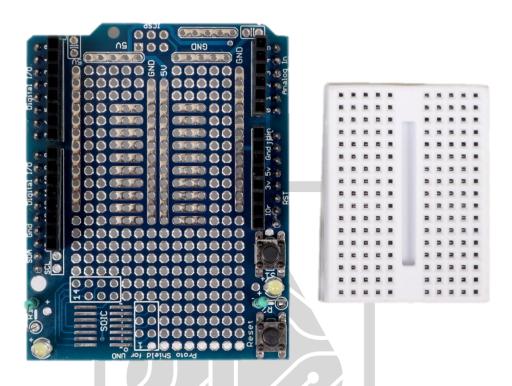
ADIY UNO Prototype Shield is used in the cases where you want to build more applications without using any external Breadboard. It provides prototyping board space to build custom circuits and is great to build custom projects with the UNO. All IO pins of the UNO can be tapped into through header pins and empty solder pads for easy expansion.

It works with UNO, Mega, Leonardo, NG, Diecimila, Duemilanove and compatible Arduinos. Yun's and Arduino Ethernets have a chunky Ethernet jack that gets in the way of stacking, you can use the stacking headers included and it will work, just doesn't sit nice and flat.

Features:

1. Comes with Stacking headers and plain header, choose whichever you want when soldering together.

2. A pass through ICSP stacking header so you can stack any kind of shield on top, and/or use an AVR programmer.

3. Power rails down the middle and sides.

4. A reset button and an extra general use button.

5. Compatible with tiny breadboard.

6. Every pin is brought out.

Specifications:

1. It has a nice standard 0.1"x0.1" prototyping grid with big pads.

2. An IC pattern for adding DIP ICs up to 20 pins.

3. Two 3mm general use LEDs, red and green, as well as 2 matching resistors.

4. A surface-mount chip area for up to 14 SOIC size parts.

5. 2 x 0.1uF capacitors on either side for extra power stability.

Pin Description:

Power: The Proto Shield bring the power from UNO standard IOREF and GND pins to the two power bus rows placed between the Through Hole prototyping are, which can be used for powering correctly your project independently on the chosen board (3V3 or 5V).

SPI Connection: On the ICSP connector only 5V and GND are wired to the respective pins on the header. MOSI and MISO are present only on the connector and on the near extra pads.

Advantages:

- Easy to design custom circuits.
- Small solderless breadboard.
- To quickly test circuit ideas without having to solder.

Applications:

- Prototype

- Demo project