BB830-KIT

An 830 tie-point Solderless BreadBoard, 10cm ZipWire™ Cables, 3AA Battery Box and a green LED with resistor

[BB830-KIT] Features:

- 830 tie points total: 630 tie-point IC-circuit area plus two 50 tie-point distribution strips providing 4 power rails.
- Smooth machined male pins designed for breadboard use provides 4.5 Volt power from 3 AA cells (not included).
- 28AWG ribbon cable can be unzipped to remove individual wires. Wires can be unzipped in groups to organize signals, or as individual wires.
- 5mm Green LED and 330Ω Resistor.
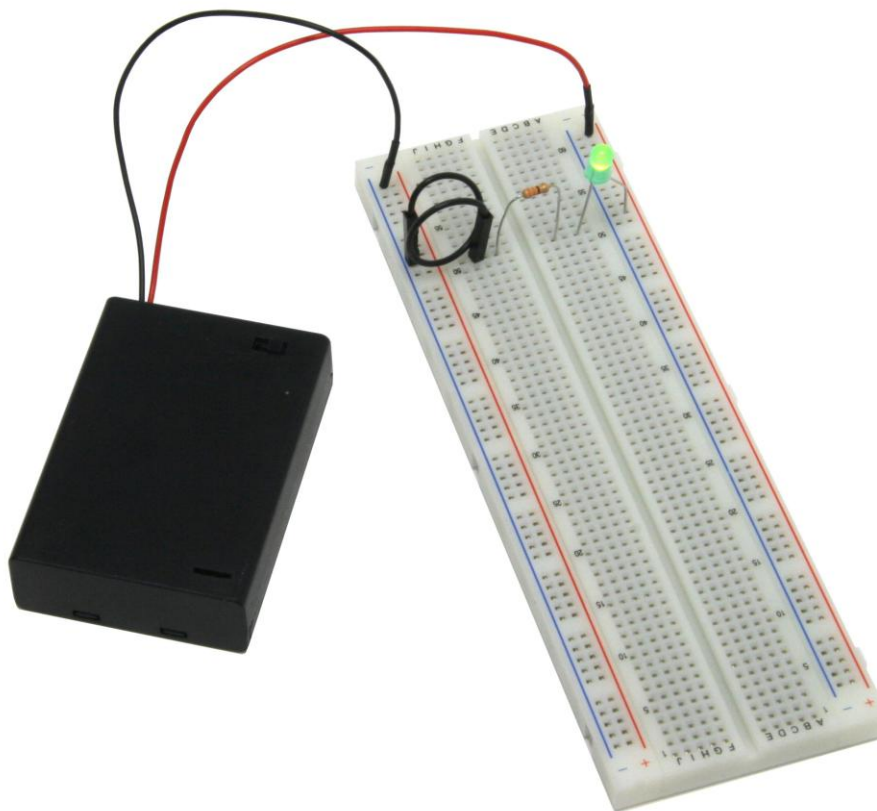
[BB830] BreadBoard Details:

BreadBoard-830 is a solderless (plug-in) breadboard with 830 connection tie-points (i.e. 830 wire insertion holes). It has 4 power rails. Solderless breadboards are great for building and testing new circuits because parts can be easily inserted and removed. They are completely re-usable. The BB830 has a 630 tie-point IC-circuit area plus four 50 tie-point power rails. The housing is made of white ABS plastic, with a printed legend giving numbers and letters for columns and rows. The internal contacts are phosphor bronze with a plated nickel finish. A peelable adhesive tape backing is provided for attaching it to a surface and an optional metal back plate is provided. BPS BreadBoards are Lead-Free and RoHS Compliant. Finished projects can be moved to a BR1 or SB830 Solderable PC BreadBoard to make them permanent.

[ZW-MM-10] ZipWire™ Details:

ZipWire™ provides a convenient way to connect the signals in your projects. The wires can be unzipped for individual wires as needed. The color-coding can be used to organize power, ground and other signal types to keep your circuit organized. The rainbow colored ribbon cable provides the 10 standard electrical colors. Each ZipWire ribbon provides 40 wires, four of each color. The 10cm wires work great for signals within a solderless breadboard (such as the BB400 and BB830). When connecting to a group of signals (such as UART or SPI signals), a group of attached ZipWires can be used to keep the signals together to better manage your wiring. Male pins can be used with solderless breadboards or 0.1" pitch sockets.

[PW-3AA] Battery Box Details:

The PW-3AA battery box has breadboard pins designed to plug into your breadboard. The machined male breadboard pins with strain relief heatshrink tubing provide a reliable long-lasting connection (as opposed to tinned wires that fatigue and break). The battery box holds 3 AA batteries to provide 4.5 Volt power for your projects. A built-in slideswitch turns power on and off. The battery box is best for circuits that don't need an exact supply voltage. The voltage will go down from 4.5 Volts to 2.4 Volts as the batteries drain. For example, transistor circuits often work over a wide voltage range, and some integrated circuits accept a wide 3.3V to 5V supply voltage. If your circuit needs exactly 3.3 Volts, you will need to add a LDO (low dropout regulator). If your circuit needs 5 Volts, you need more AA batteries and a 5V regulator.

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