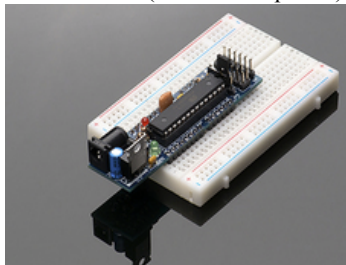


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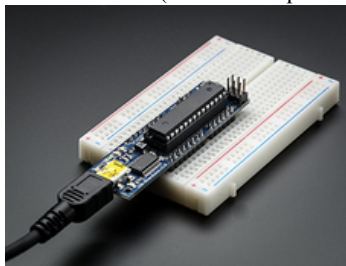
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DC Boarduino (Arduino compatible) Kit (w/ATmega328)



\$17.50 [Add to Cart](#)

USB Boarduino (Arduino compatible) Kit w/ATmega328



\$25.00 [Add to Cart](#)

FTDI Friend + extras



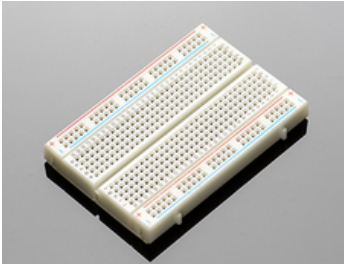
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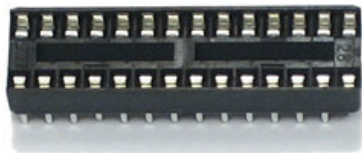
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DC Parts List Created by [Ladyada](#)

Check to make sure your kit comes with the following parts. Sometimes we make mistakes so double check everything and email support@adafruit.com if you need replacements!

Image	Name	Description	More Info	Qty
IC1		Microcontroller (preprogrammed with Arduino bootloader when purchased in a kit).	ATmega328P-20PU (unprogrammed) Adafruit (Programmed)	1



IC1' 28-pin socket [28 pin socket](#) 1



X1 16.00 MHz ceramic oscillator [16 mhz ceramic resonator](#) 1



2.1mm Power Jack [CUI PJ-202AH](#) 1



D1 1N4001 diode [Generic 1N4001](#) 1



IC2 5V regulator 7805 TO-220 package [7805](#) 1



- C1 Bypass capacitor
- C2 [Ceramic Capacitor](#) 3
- C5 0.1uF ceramic or
- C6 (opt) 4



- Electrolytic capacitor
- C3 [Electrolytic Capacitor](#) 1
- 47uF / 25V (or higher)



- 100uF/6.3V capacitor (or higher)
- C4 [Electrolytic Capacitor](#) 1
- (the image shows a 10V but 6.3V is fine)



- 10K ohm 1/4W 5% resistor (brown black orange gold)
- R1 [Generic Resistor](#) 1



- 1.0K 1/4W 5% resistor (brown black red gold)
- R2 [Generic Resistor](#) 2
- R3

- D3 3mm red LED [3mm red diffused](#) 1



D2

3mm green LED [3mm green diffused](#)

1



SW1

6mm tact switch
button [6mm tact switch](#)

1



ICSP

6 pin header,
0.1"x0.1" spacing [2x3 pin header](#)

1



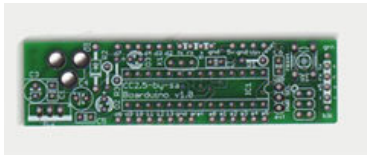
40 pin male
header, 0.1" spacing [0.1" male header strip](#)

1



Jumper

1



PCB

Circuit board [Adafruit Industries](#)

1

[< Preparation DC Boarduino Assembly >](#)
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