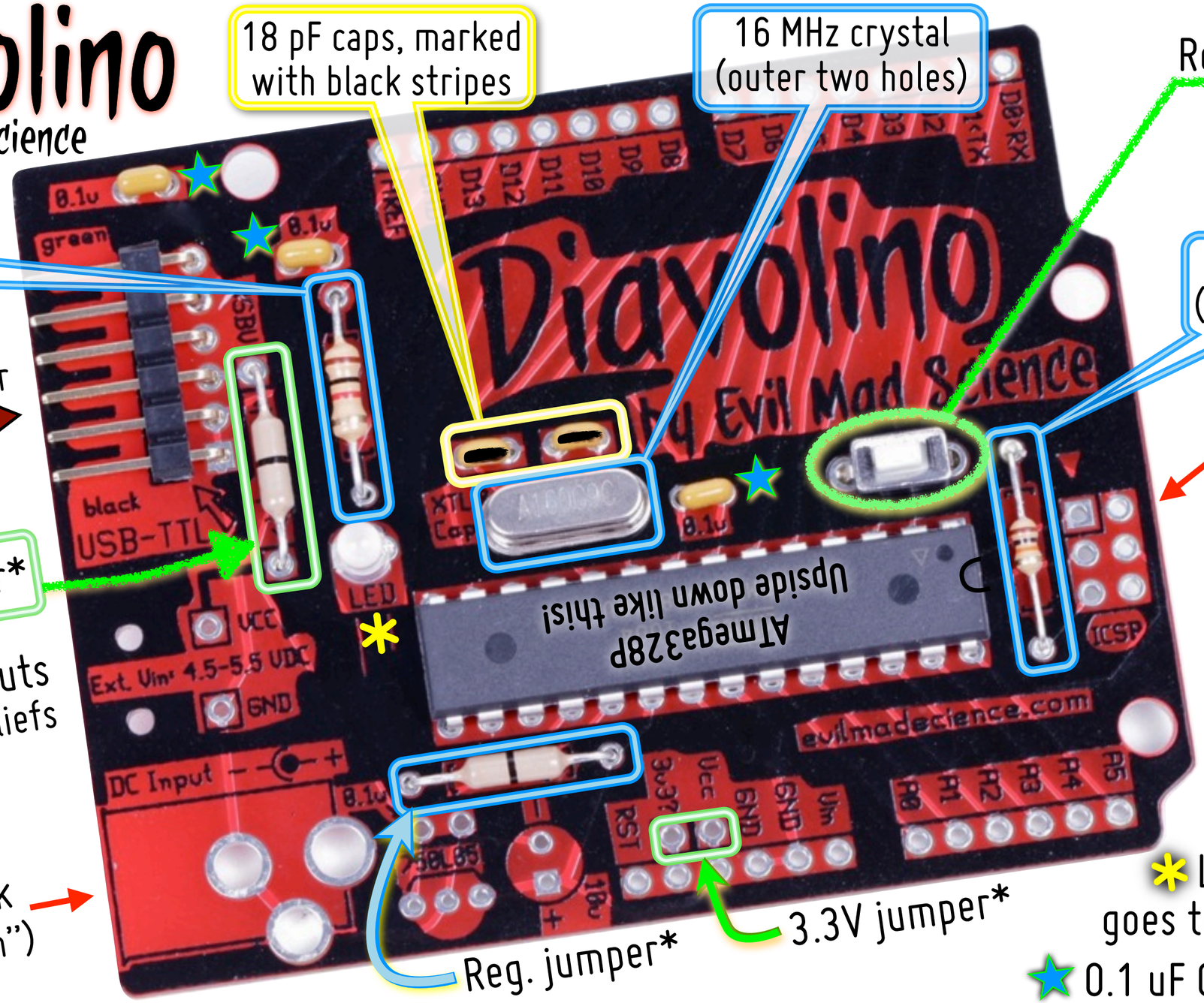
Diavolino

by Evil Mad Science



18 pF caps, marked with black stripes

16 MHz crystal (outer two holes)

Reset button

1k resistor (the big one)

10k resistor (the small one)

USB-TTL header

6-pin ICSP (aka ISP/SPI)

USBV jumper*

Battery inputs w/ strain reliefs

DC Power jack location ("Vin")

Reg. jumper*

3.3V jumper*

* LED: Long lead goes to square hole.

★ 0.1 uF Caps, 3 places.

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Configuration options:

* USBV jumper: Adding this wire jumper connects the USB 5V line to Vcc, providing power from USB to your circuit.

* Regulator jumper: This jumper connects the dc input ("Vin") directly to Vcc. Use this jumper only if you are using a plug-in 5 V dc power supply, where no regulator is needed.

* 3.3V jumper: The 3.3 V pin is normally unconnected. If you want to hook it to Vcc, you can add a wire jumper here.

Important tips:

- The AVR microcontroller requires 4.5 – 5.5 V power (Vcc) when operating at 16 MHz.

- Be careful to only apply power from one source at a time: USB-TTL, dc adapter, or battery.

- For programming, you'll need an FTDI TTL-232R cable or an equivalent USB-TTL interface.

- Within the Arduino IDE, please select board type (from the menu) as Duemilanove w/'328.

For detailed assembly instructions and additional resources,
please see http://www.evilmadscientist.com/go/diavolino