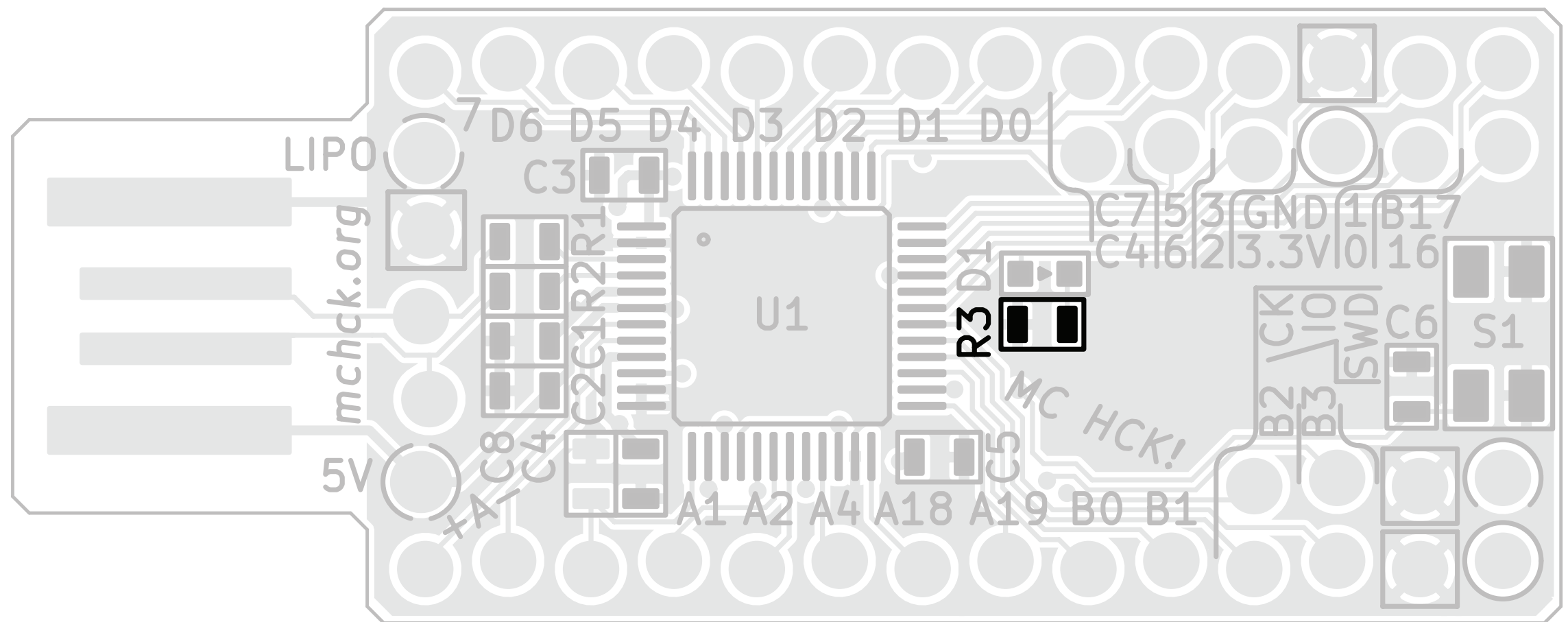
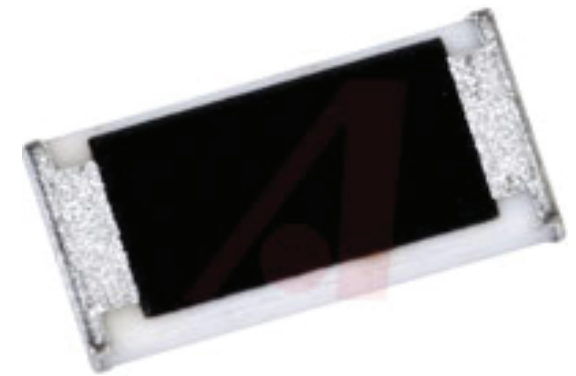


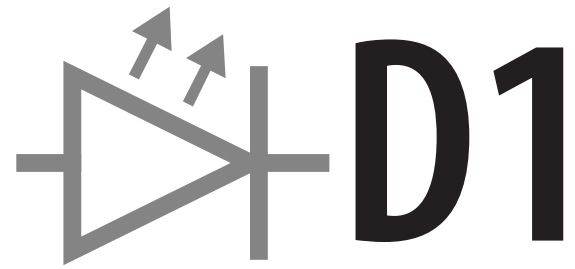
 **R3**

**Resistor, 1k  $\Omega$**

**\$0.007**

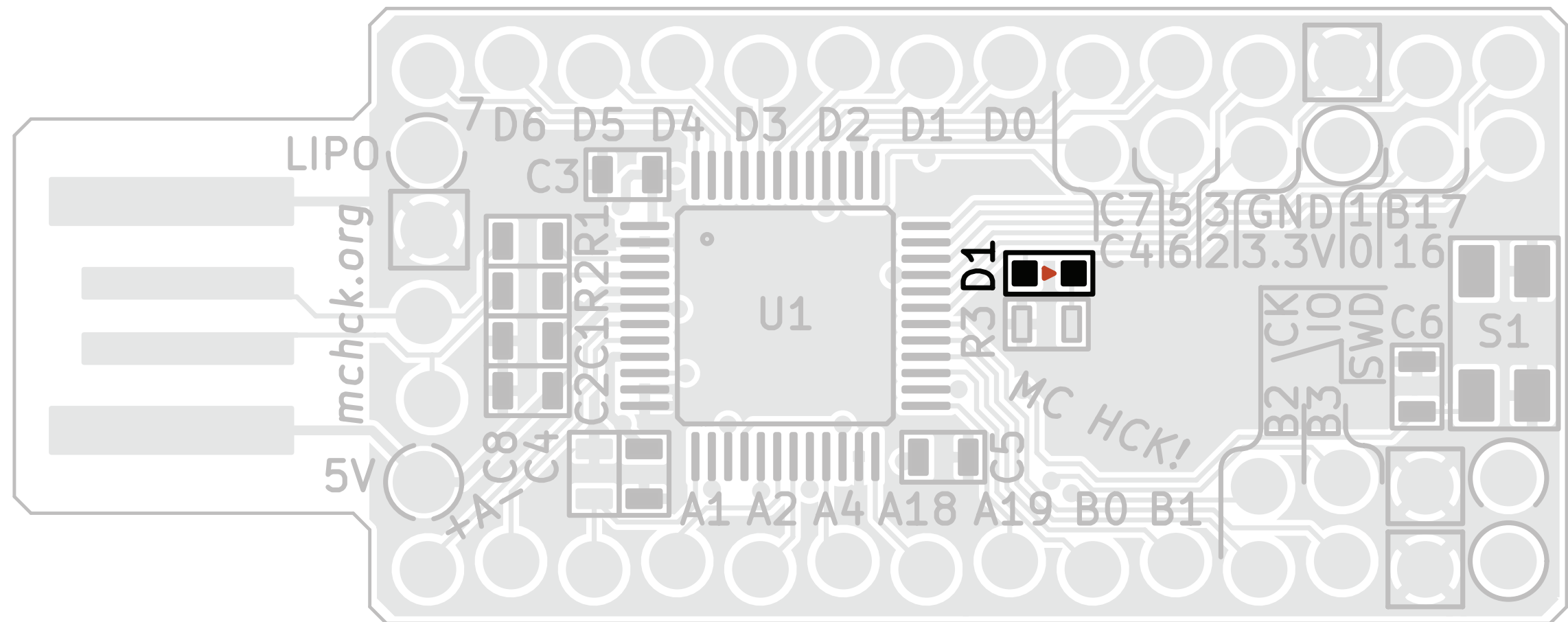
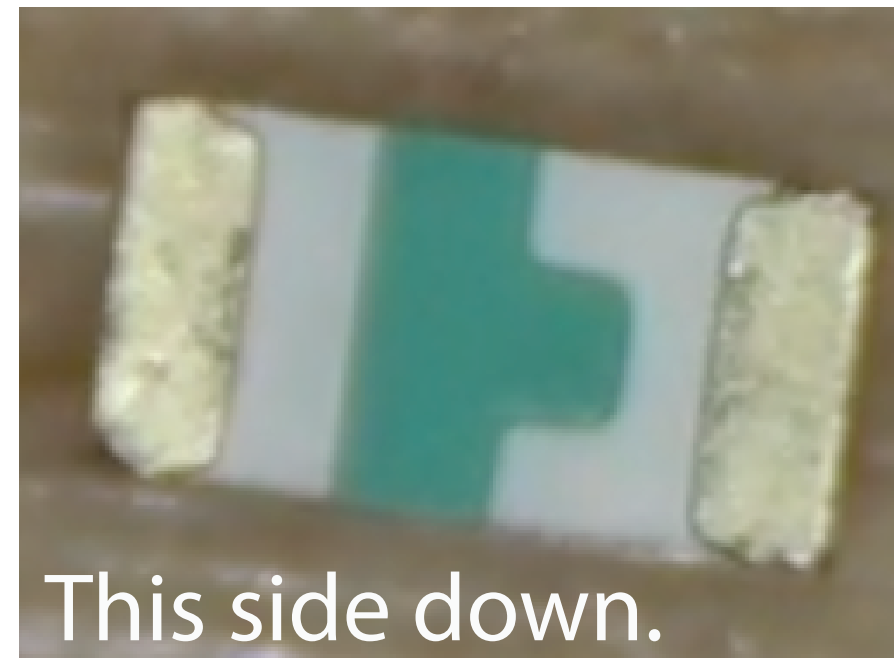


This **current limit resistor** prevents too much current from flowing through the LED, which could cause it to fail.



LED

~\$0.10



This **light emitting diode** is like a tiny light bulb that glows when you pass current through it. Note the **direction arrow** (on the back in green) if you put it in backwards, it won't light up!