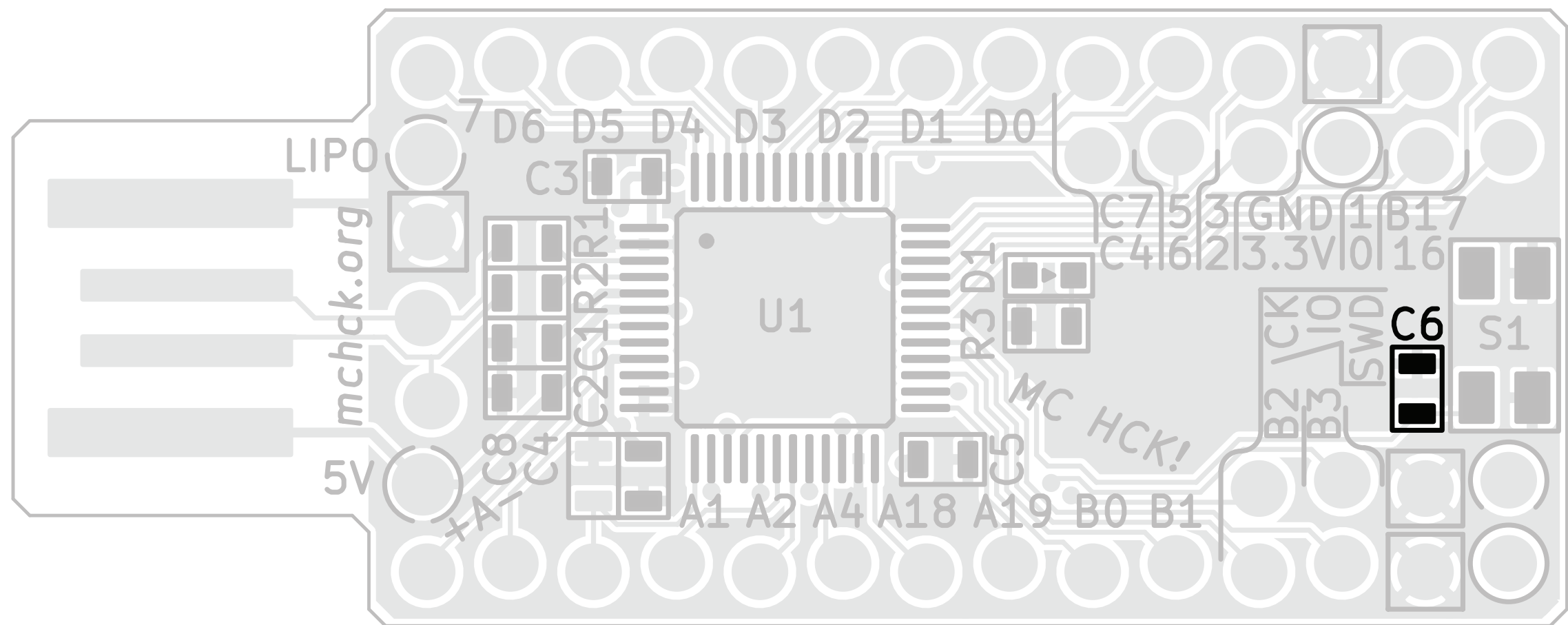
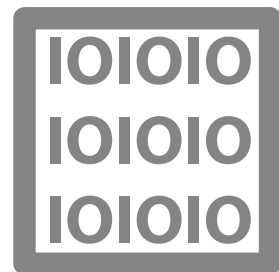


⊢ C6

Capacitor, 100 nF \$0.019



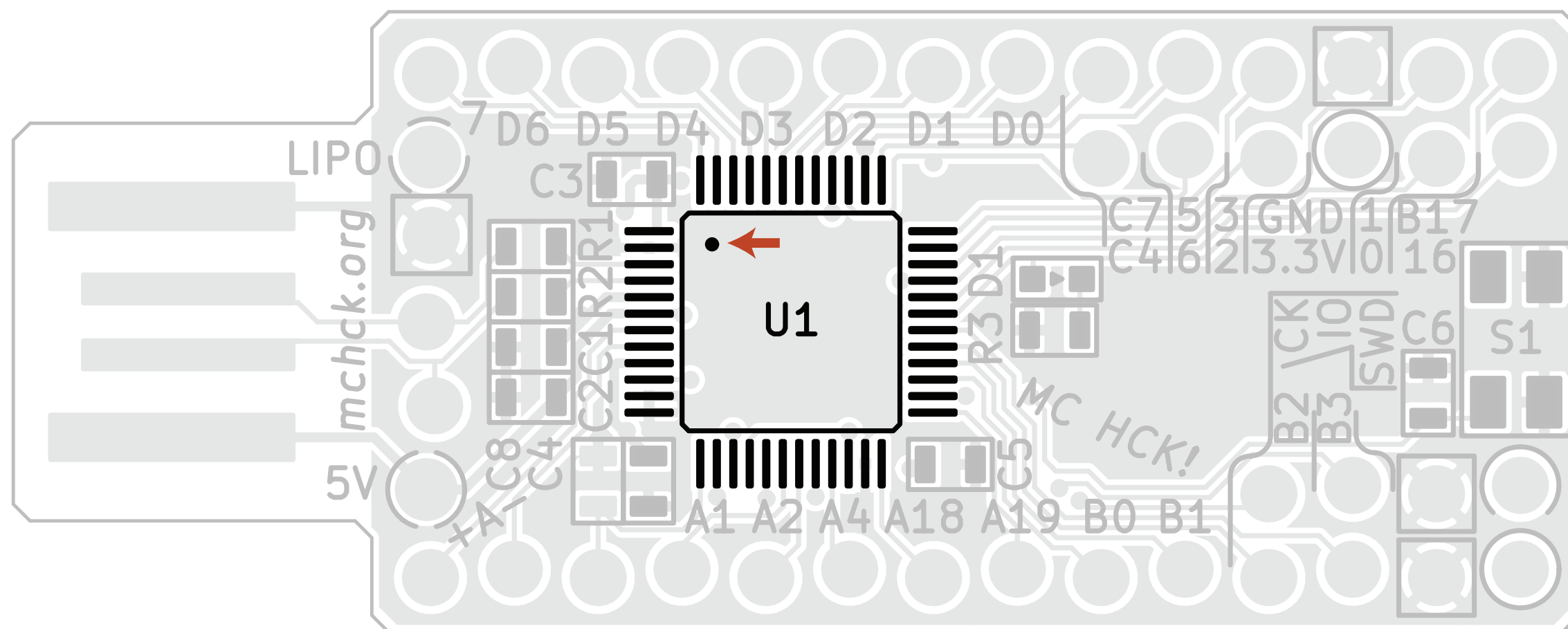
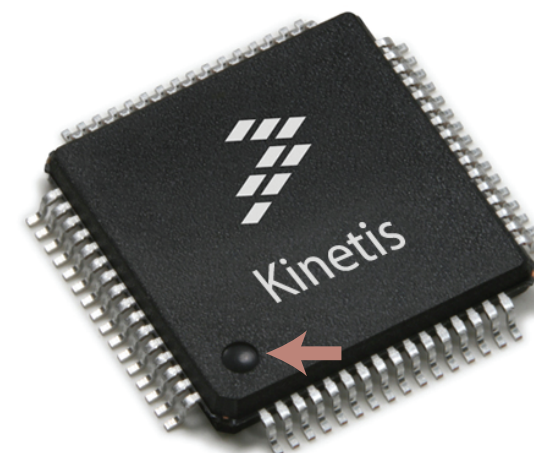
**Debouncing** capacitors smooth out chatter that occurs when a push-button switch is pressed, preventing false triggering.



# U1

## Microcontroller

\$4.12



The **microcontroller** is the brain of the operation. It has a ton of different features all on a single tiny silicon chip. This chip, a Freescale Kinetis MK20DX128, is an ARM microcontroller, similar to but less powerful than the CPU in your phone or tablet. Note the *alignment dot*.