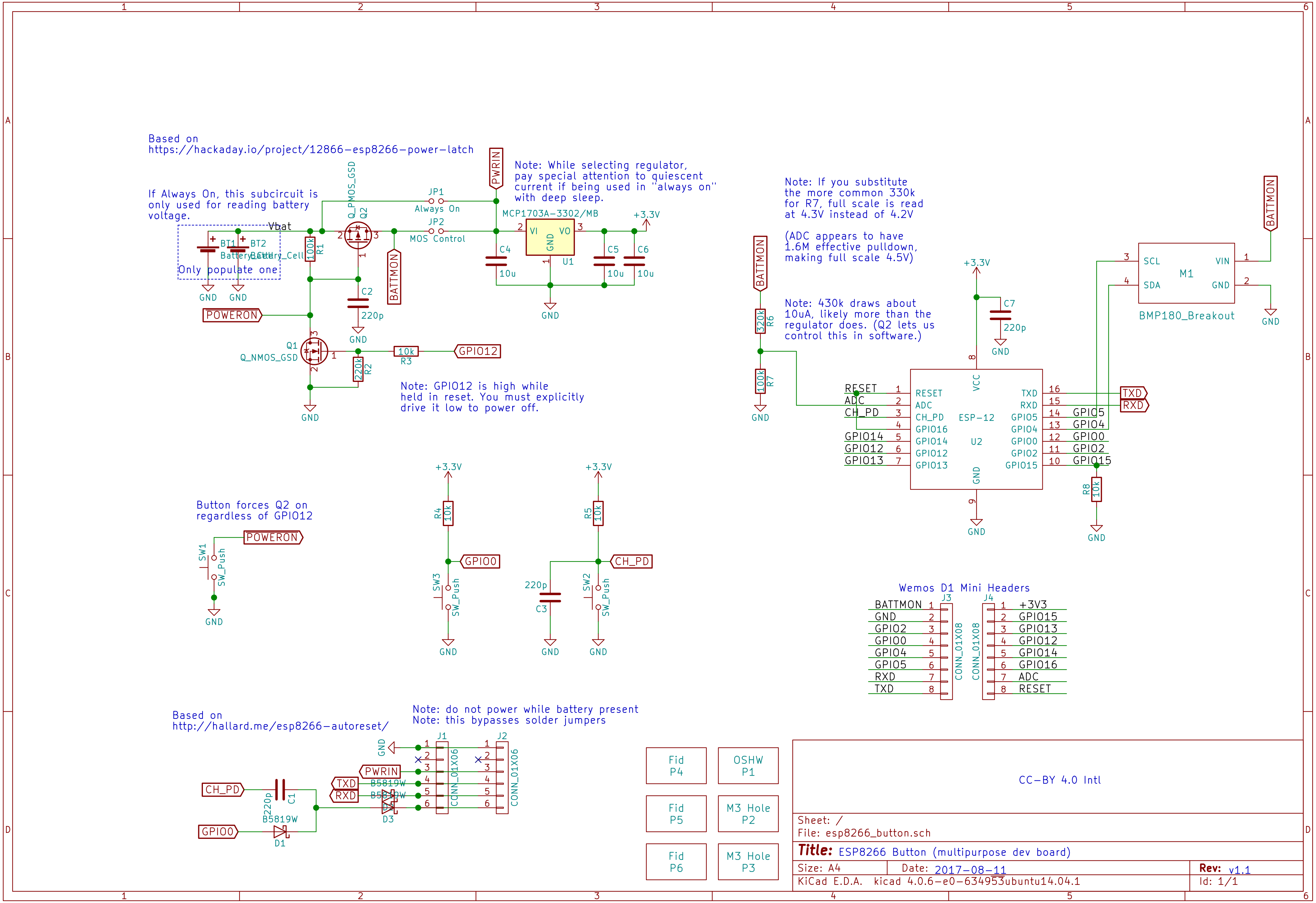

Based on
https://hackaday.io/project/12866-esp8266-power-latch

If Always On, this subcircuit is only used for reading battery voltage.

Only populate one

Note: While selecting regulator, pay special attention to quiescent current if being used in ''always on'' with deep sleep.

Note: If you substitute the more common 330k for R7, full scale is read at 4.3V instead of 4.2V

(ADC appears to have 1.6M effective pulldown, making full scale 4.5V)

Note: 430k draws about 10uA, likely more than the regulator does. (Q2 lets us control this in software.)

Note: GPIO12 is high while held in reset. You must explicitly drive it low to power off.

Button forces Q2 on regardless of GPIO12

Wemos D1 Mini Headers

Based on
http://hallard.me/esp8266-autoreset/

Note: do not power while battery present
Note: this bypasses solder jumpers

Sheet: /
File: esp8266_button.sch

Title: ESP8266 Button (multipurpose dev board)

Size: A4
Date: 2017-08-11
Rev: v1.1
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