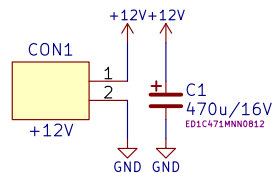
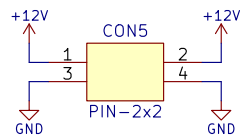


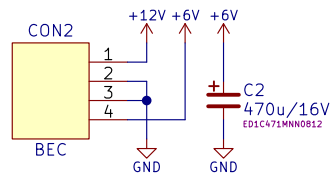
Main power input
12V $\pm 15\%$



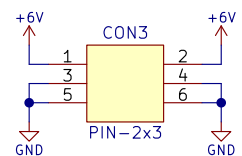
To control board



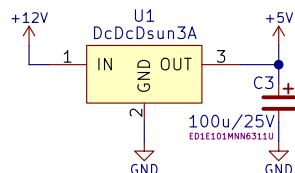
External power converter
12V \rightarrow 5/6V for servos



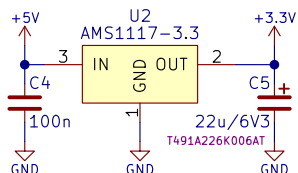
To control board



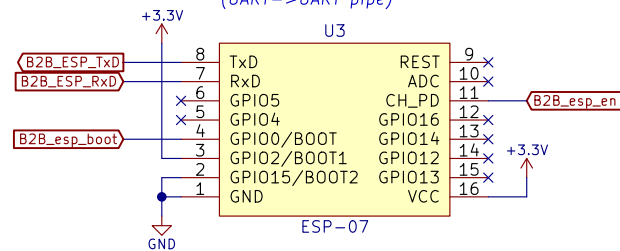
\$0.99 "3A" buck converter
from eBay - set to 5V



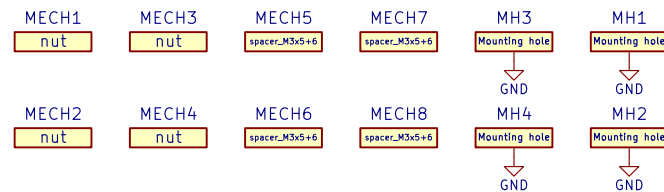
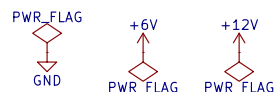
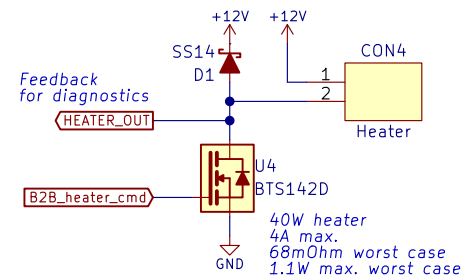
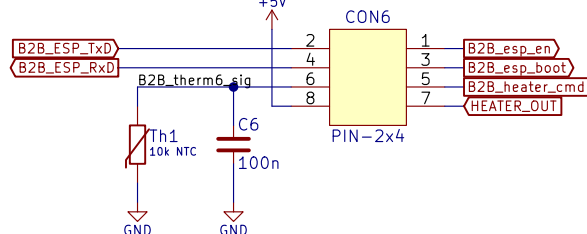
Power supply for ESP only
5V $\pm 10\%$ \rightarrow 3.3V $\pm 3\%$
250mA max. \rightarrow 0.6W max.



ESP bootloader - via STM32
(UART \rightarrow UART pipe)



To control board



NiceCircuits

Sheet: /
File: drOctopusPower.sch

Title: Wi-Fi Servo Controller

Size: A4 Date: 2015-08-10
KiCad E.D.A. kicad 4.0.0-rc1-stable

Rev: 1.0
Id: 1/1