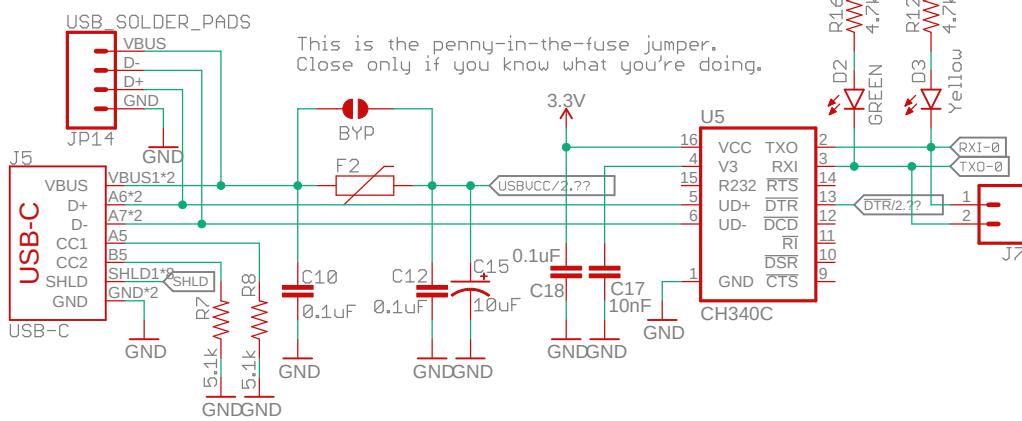


### USB-to-Serial Converter



**sparkfun**  
Artemis



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TITLE: BlackBoard-Artemis-ATP

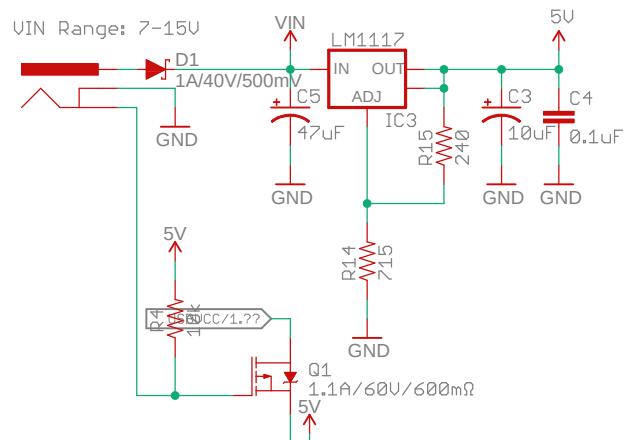
Design by: N. Seidle

REV: X02

Date: 6/20/2019 11:50 AM

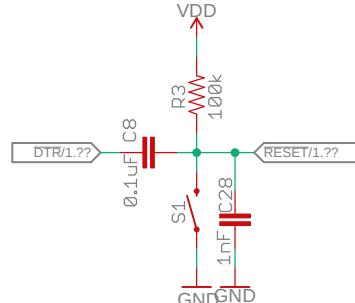
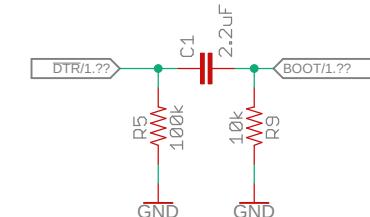
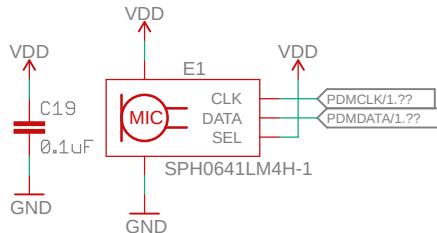
Sheet: 1/2

## Power Supplies



## Bootload Reset Circuit

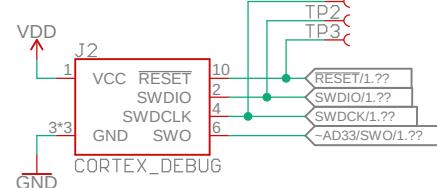
### Microphone



## Qwiic

Trace width calculation:  
2 $\Delta$ , 1oz. copper  
10C rise in temperature  
30.8 mil width  
<https://www.eeweb.com/tools/external-pcb-trace-max-current>

## JTAG



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**TITLE:** BlackBoard-Artemis-ATP

**Design by:** Nobody

**REV:**  
>REV

**Date:** 6/20/2019 11:50 AM

**Sheet:** 2/2