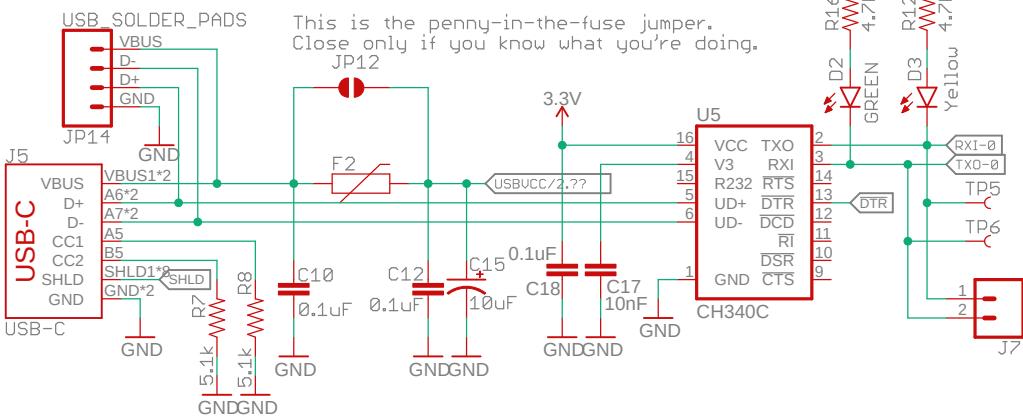


### USB-to-Serial Converter



**sparkfun**  
Artemis

Released under the Creative Commons  
Attribution Share-Alike 4.0 License  
<https://creativecommons.org/licenses/by-sa/4.0/>

TITLE: BlackBoard-Artemis

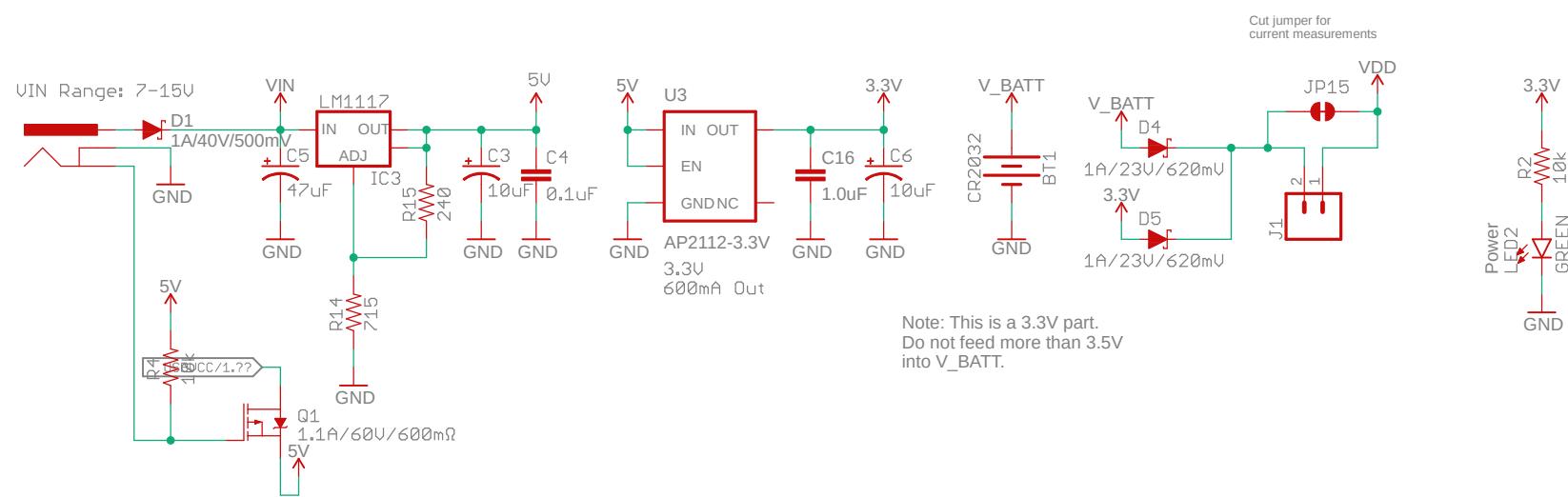
Design by: N. Seidle

REV: X03

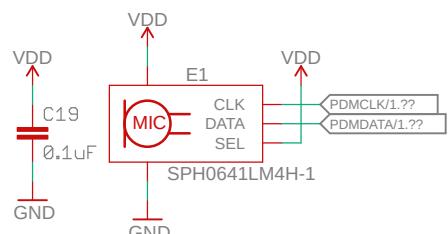
Date: 6/20/2019 11:25 AM

Sheet: 1/2

## Power Supplies



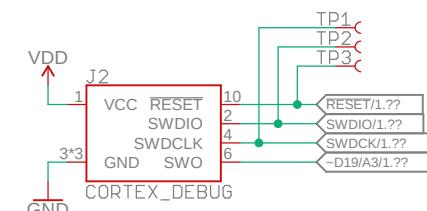
## Microphone



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

J4 SCL SDA VCC GND Qwiic

## JTAG



Released under the Creative Commons  
Attribution Share-Alike 4.0 License  
<https://creativecommons.org/licenses/by-sa/4.0/>

**TITLE:** BlackBoard-Artemis

**Design by:** Nobody

**REV:**  
>REV

**Date:** 6/20/2019 11:25 AM

**Sheet:** 2/2