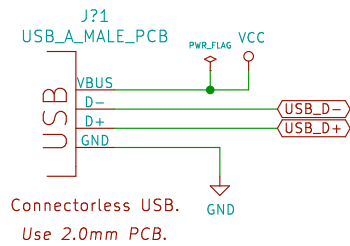
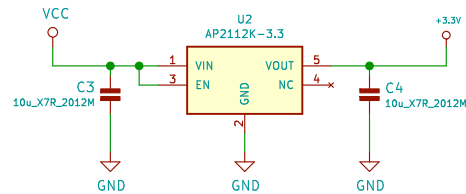


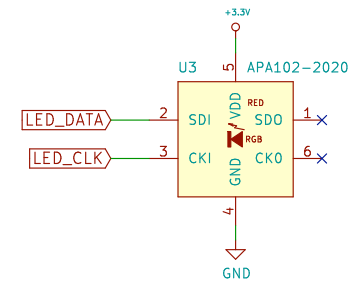
## USB Connector



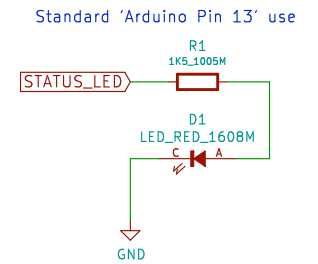
## 3.3V Regulator



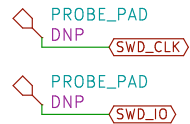
## RGB LED



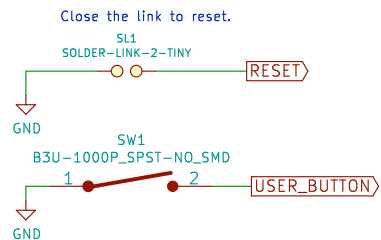
## Status LED



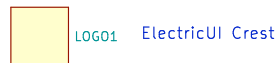
## SWD Programming



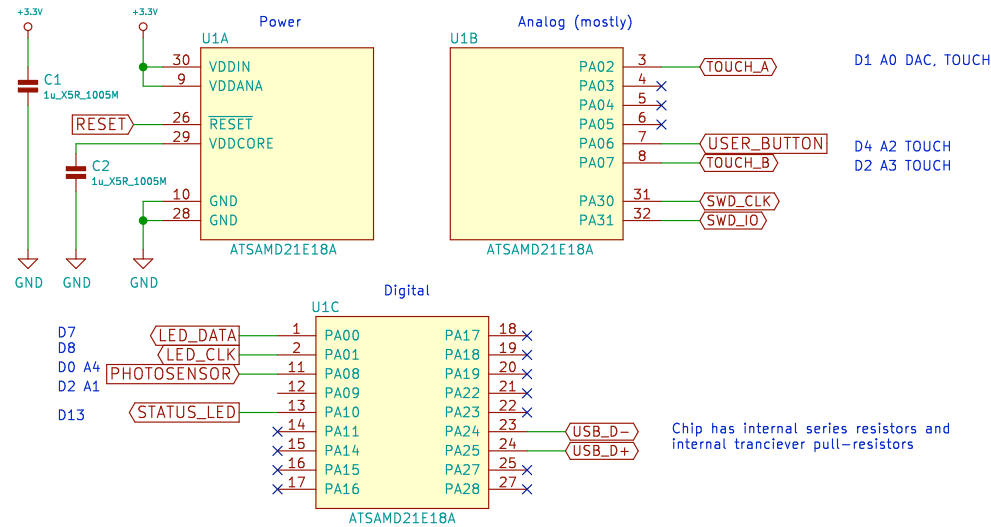
## Reset & User Button



## Logos and Cosmetics



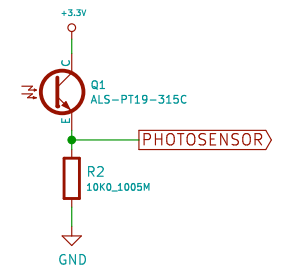
## Atmel ARM M0 Microcontroller



Relevant features:  
- Internal 128-bit serial number.  
- Internal temperature sensor.

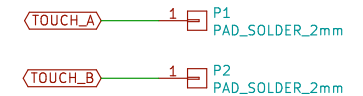
## Light Sensor

Used as rough rangefinder, colour sensor or pulse-monitor



## Capacitive Sensing

Uses self-capacitance feature to provide two edge buttons



Scott Rapson  
20180730  
ElectricUI DEVKITS

Sheet: /  
File: electric-greetings.sch

### Title: HelloBoard Schematic

Size: A4 Date: 2018-07-30  
KiCad E.D.A. kicad (5.0.1-3-g963ef8bb5)

Rev: 1.0.0  
Id: 1/1

Design borrows heavily from Adafruit Trinket M0 design.  
Key changes are PCB USB Male connector, additional sensors, removal of pins.  
Sensors follow similar design pattern to Adafruit Circuit Playground -> similar software.