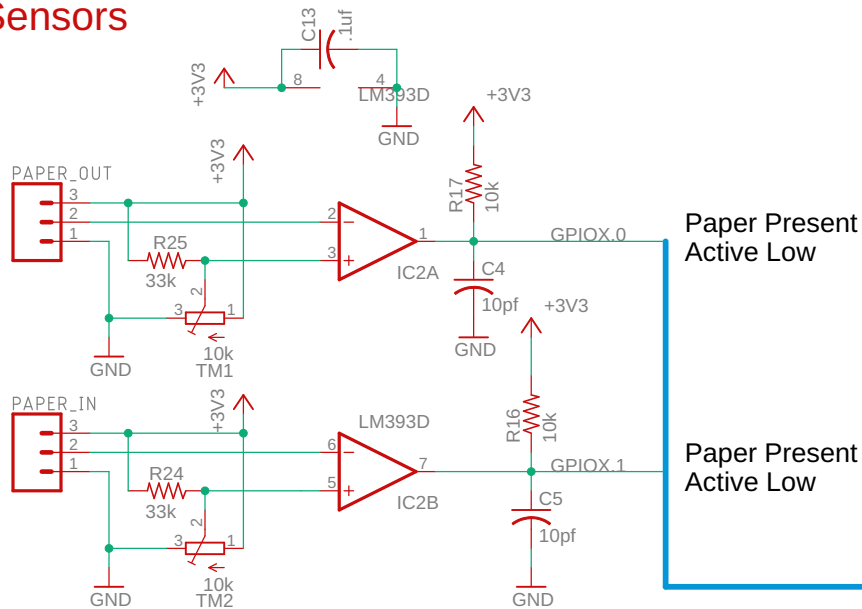


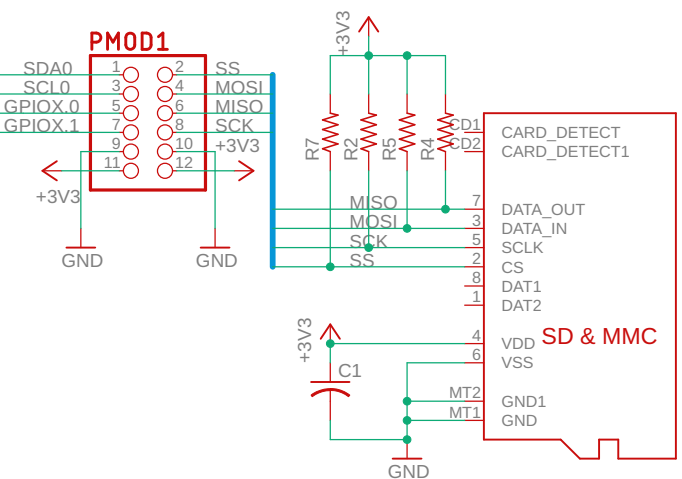
## Paper Sensors



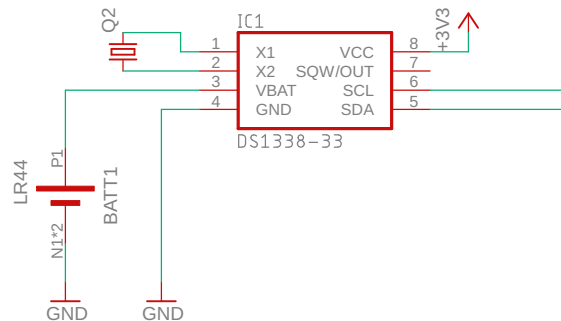
PAPER\_IN connects to Sparkfun RedBot Sensor - Line Follower PN: SEN-11769

PAPER\_OUT connects to optical endstop switch common to 3D printers. Amazon ASIN B077X8XL56

## MicroSD Card

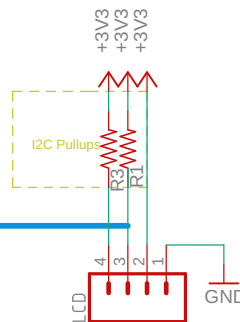


## Realtime Clock



DS1338 is a 3.3v part compatible with DS1307

## LCD



Connects to Sparkfun LCD-14073 via I2C

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TITLE: sbb-shield

Document Number:

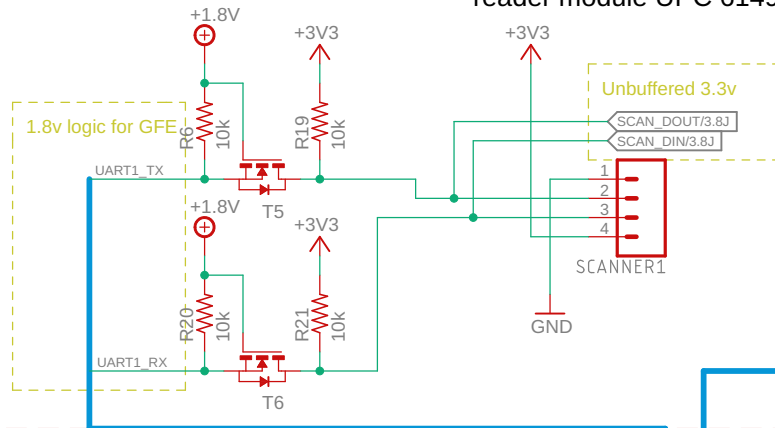
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Date: 5/27/2019 6:57 PM

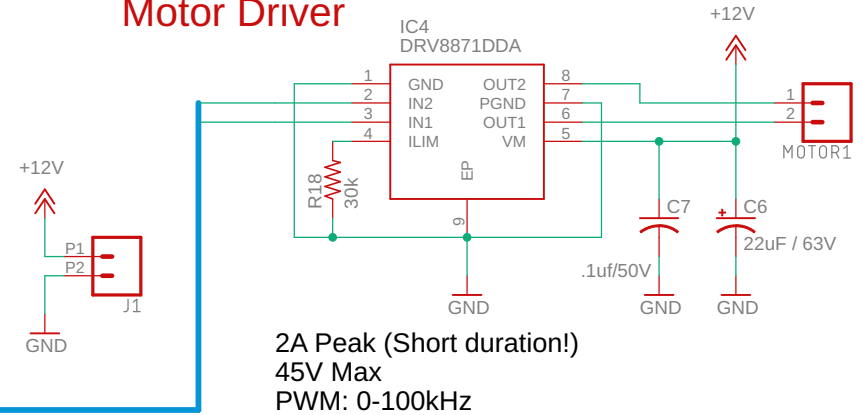
Sheet: 1/3

## Scanner

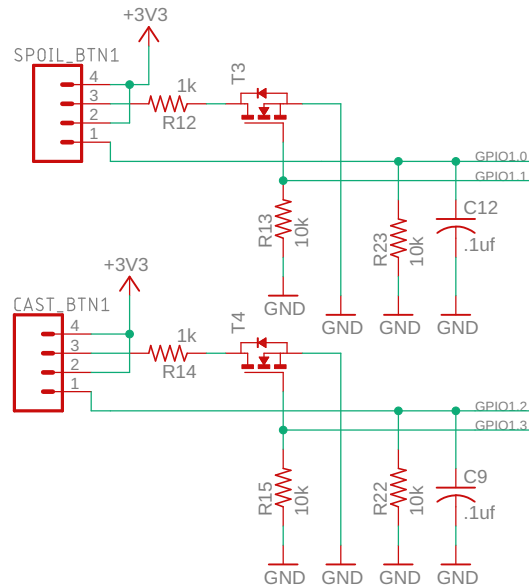
Connects to Waveshare 1D/2D barcode reader module UPC 614961952195



## Motor Driver



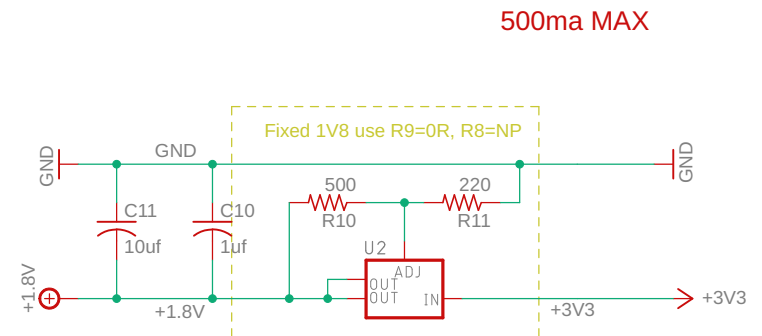
## LED Buttons



Button SPST, NC:  
P1: BUTTON GPIO, active high  
P2: +3.3V to button

LED:  
P3: GPIO, high = ON  
P4: +3.3V to LED

## Power



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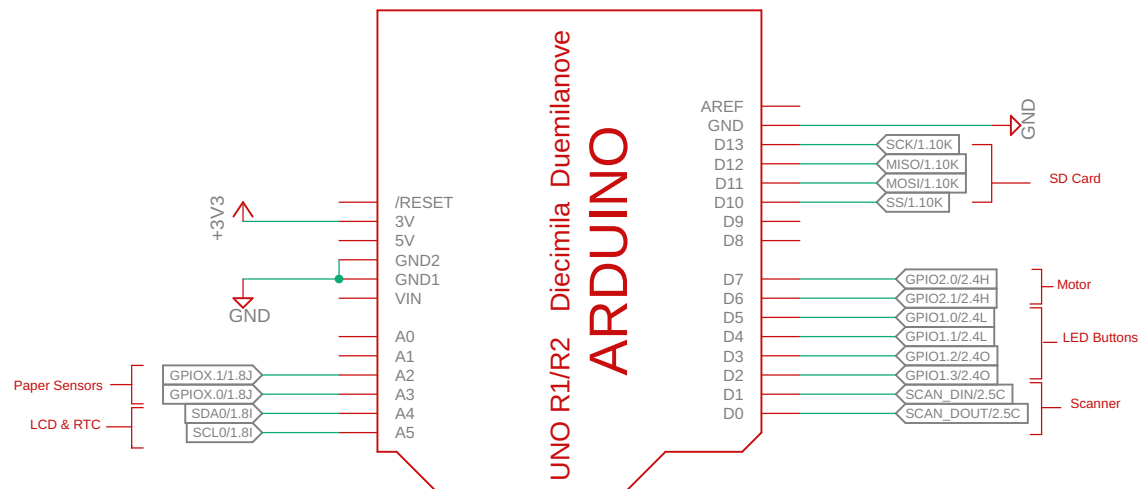
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TITLE: sbb-shield

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Date: 5/27/2019 6:57 PM

Sheet: 3/3