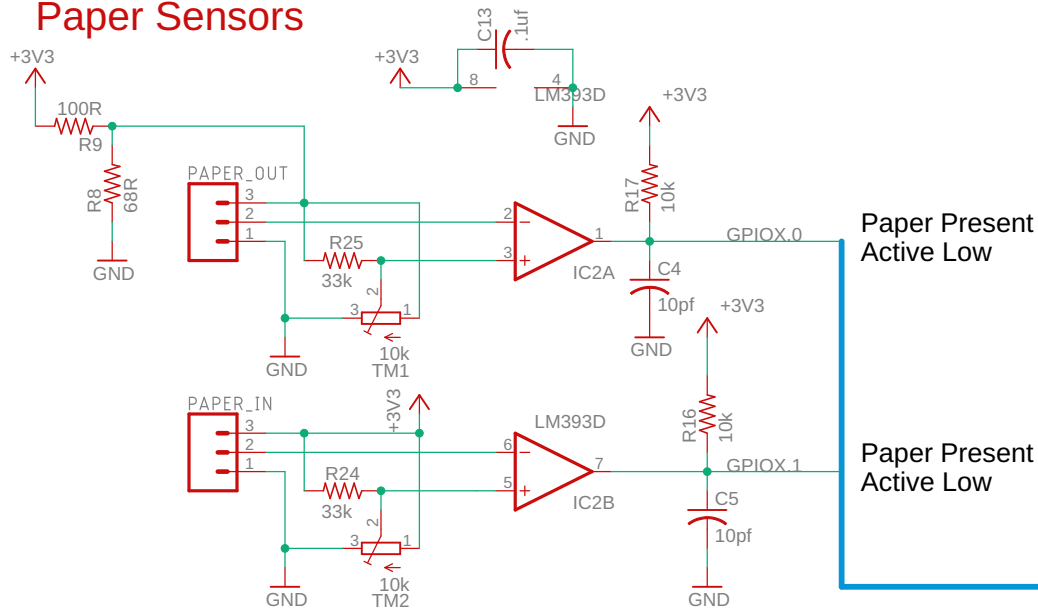


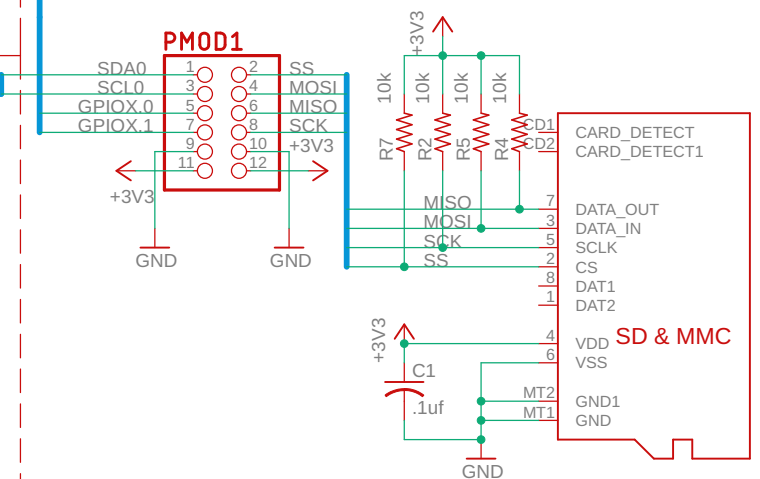
Paper Sensors



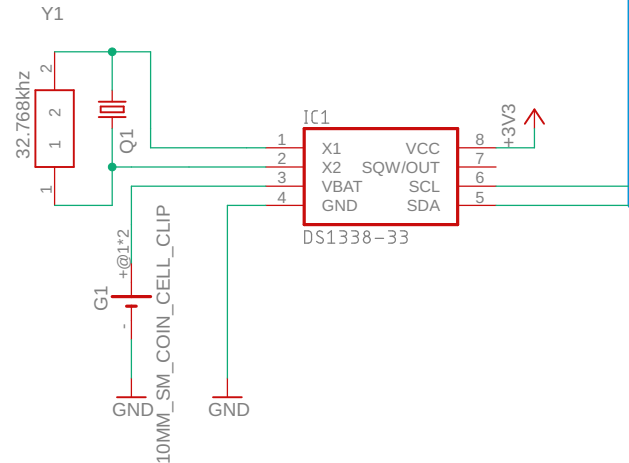
PAPER_IN connects to Sparkfun RedBot Sensor - Line Follower PN: SEN-11769

PAPER_OUT connects to optical endstop switch common to 3D printers. Amazon ASIN B077X8XL56

MicroSD Card

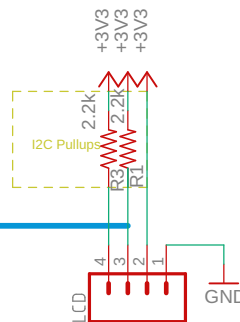


Realtime Clock



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:

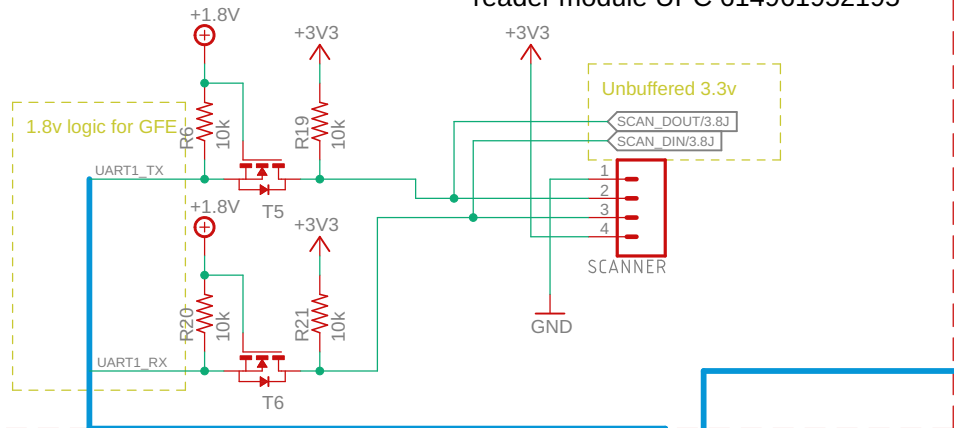
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2

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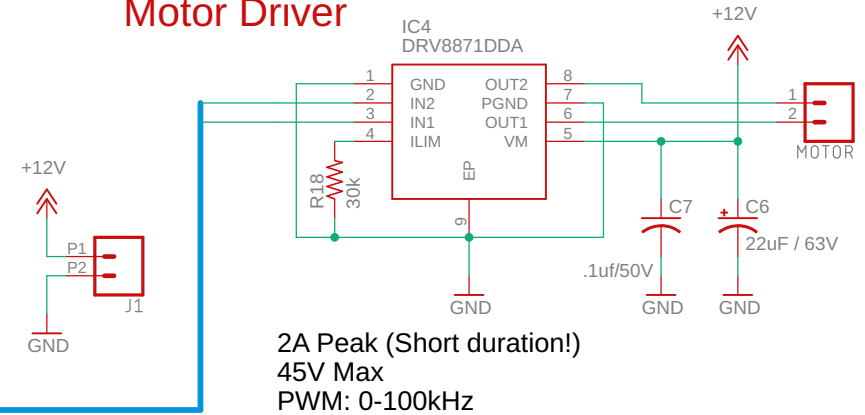
Sheet: 1/3

Scanner

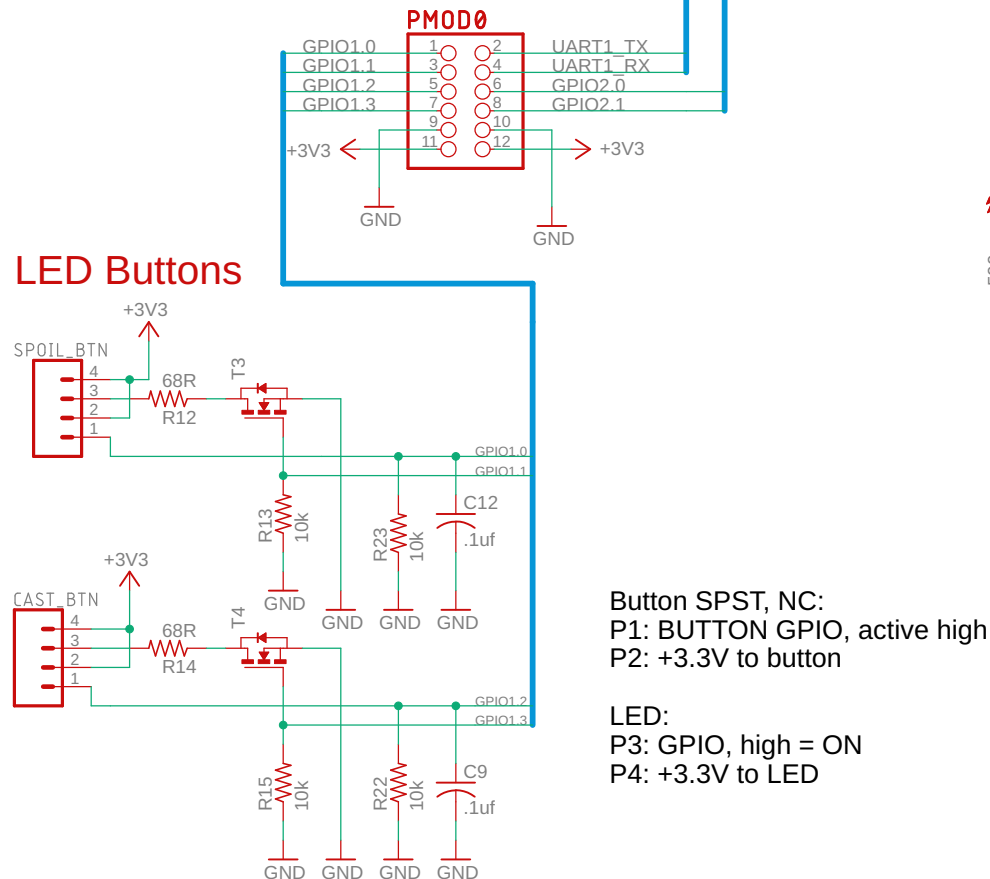
Connects to Waveshare 1D/2D barcode reader module UPC 614961952195



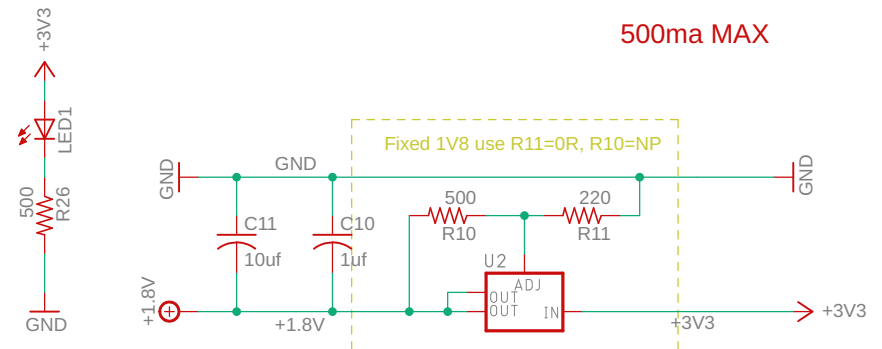
Motor Driver



LED Buttons



Power



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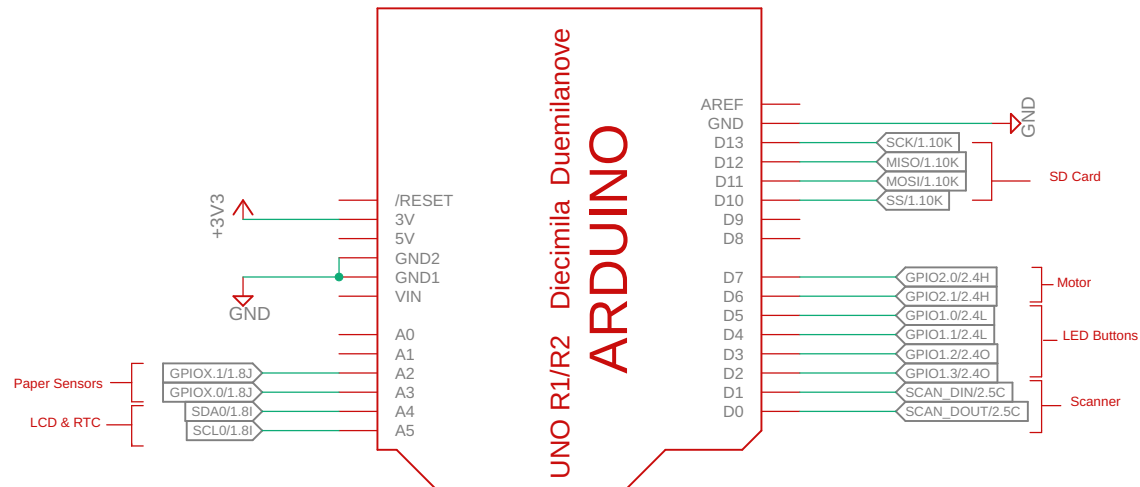
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2

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Sheet: 2/3



Revision History

1. 5/31 R1 - Initial Release

2. 6/9 R2

- * Clearer Soldermask labels for connectors
- * Fixed mirrored PMOD connectors
- * Changed LED resistor value from 1k to 68R
- * Added additional footprint for RTC crystal to accommodate SMD options.
- * Fixed battery clip so battery can be inserted correctly. Previously was backward.
- * Changed from 1.5V LR44 to 3V CR927
- * Added optional resistor divider to accommodate factory paper-out sensor.
- * Added Galois logo

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TITLE: sbb-shield

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2

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