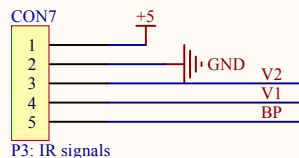
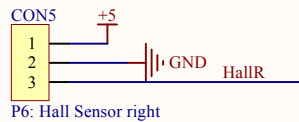
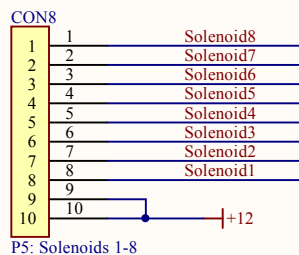


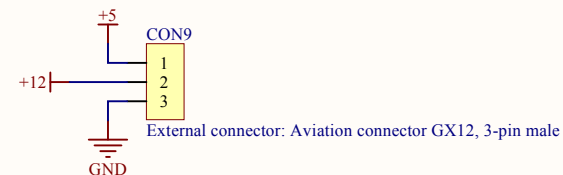
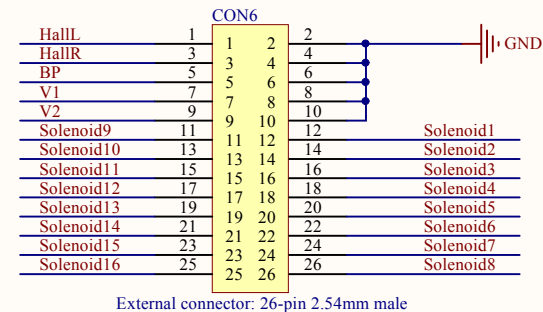
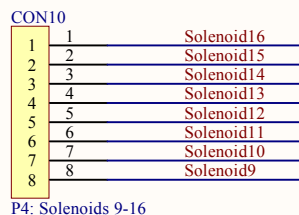
Hall Sensor signals, measured:
 ~1.7-2.0V open (no magnet)
 ~3.8V closed (with magnet)



Position rotary encoders



Solenoid numbering looking at machine counting left-to-right



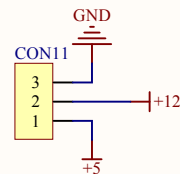
| Title | | |
|------------------------|-----------------|--------------|
| KH-930 internal wiring | | |
| Size | Number | Revision |
| A4 | | |
| Date: | 08.09.2018 | Sheet 1 of 3 |
| File: | Internal.SchDoc | Drawn By: |

1

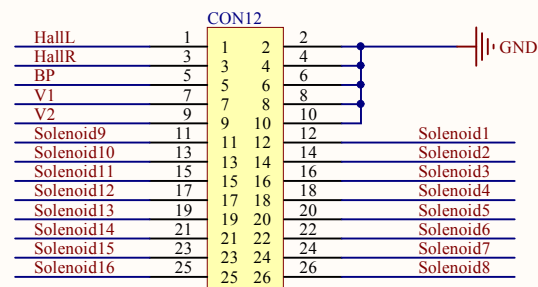
2

3

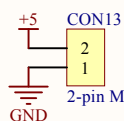
4



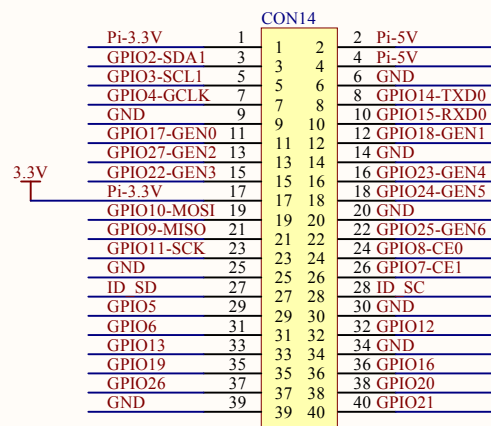
Aviation connector GX12, 3-pin male



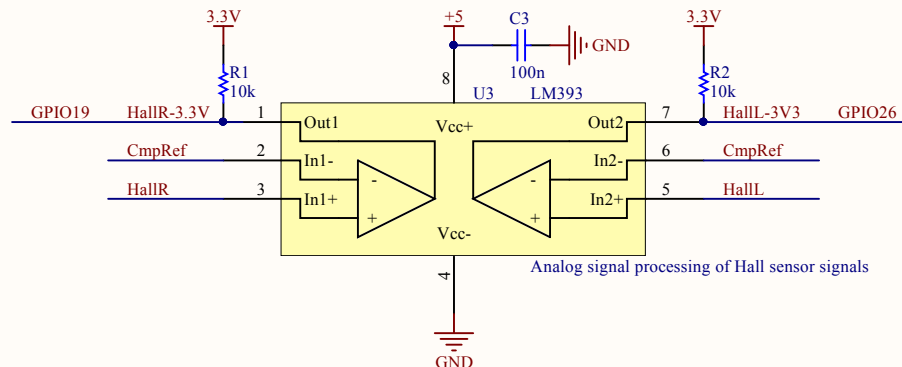
26-pin 2.54mm male, to knitting machine



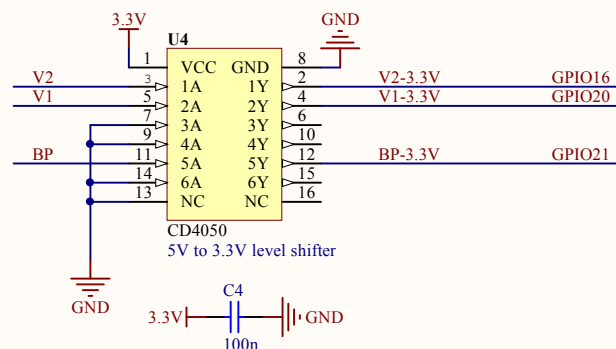
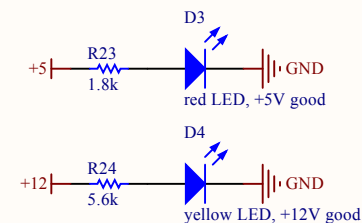
2-pin Molex, supplies power to Raspberry Pi



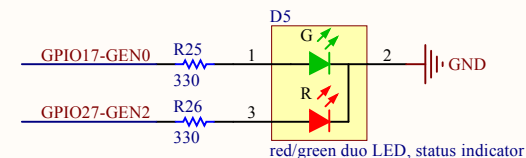
Connector to Raspberry Pi 3 B+ Revision 1.0



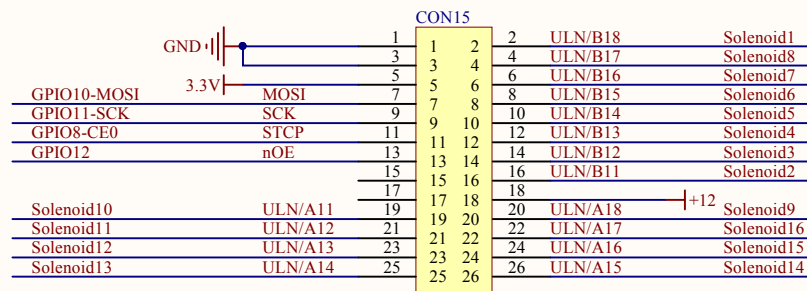
Analog signal processing of Hall sensor signals

CD4050
5V to 3.3V level shifter

yellow LED, +12V good



red/green duo LED, status indicator



26-pin 2.54mm male, to upper piggyback/driver PCB

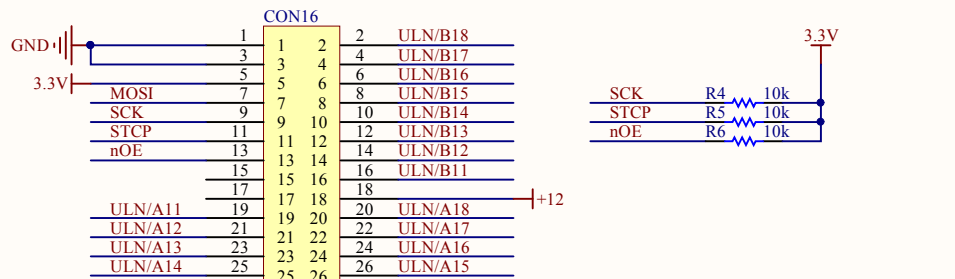
| | | |
|---|-----------------------|--------------|
| Title | | |
| Raspberry Pi connector PCB / analog signal processing | | |
| Size | Number | Revision |
| A4 | | |
| Date: | 08.09.2018 | Sheet 2 of 3 |
| File: | External-Lower.SchDoc | Drawn By: |

1

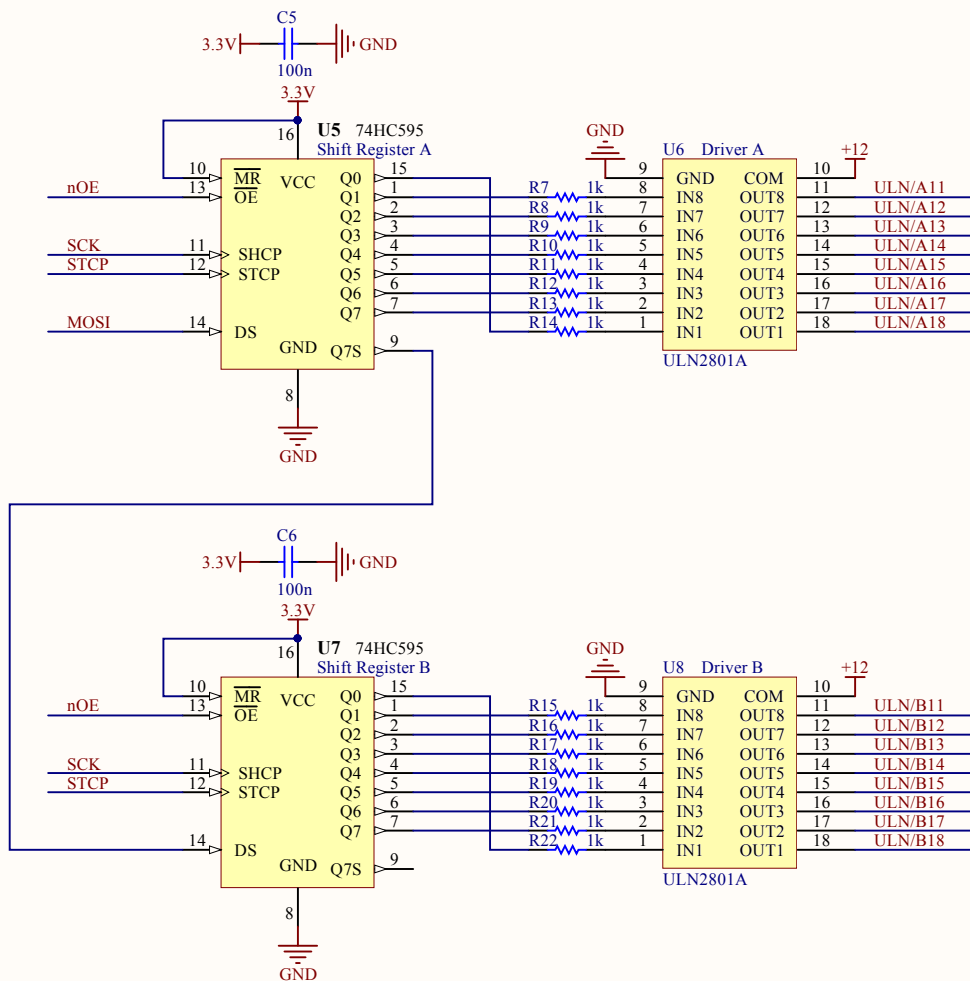
2

3

4



26-pin 2.54mm male, connected to lower PCB



| | | |
|--|--------------|----------|
| Title Upper piggyback PCB / serial-to-parallel multiplexers and drivers | | |
| Size A4 | Number | Revision |
| Date: 08.09.2018 | Sheet 3 of 3 | |
| File: External-Upper.SchDoc | Drawn By: | |