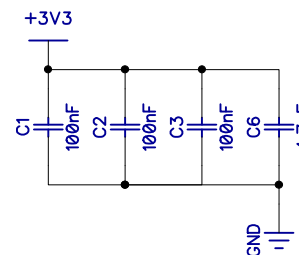
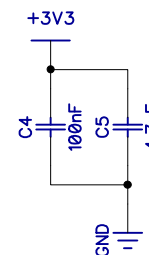


MCU pin capacitors

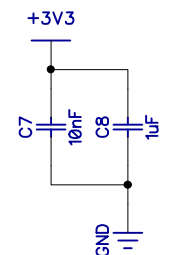
3xVDD pin caps



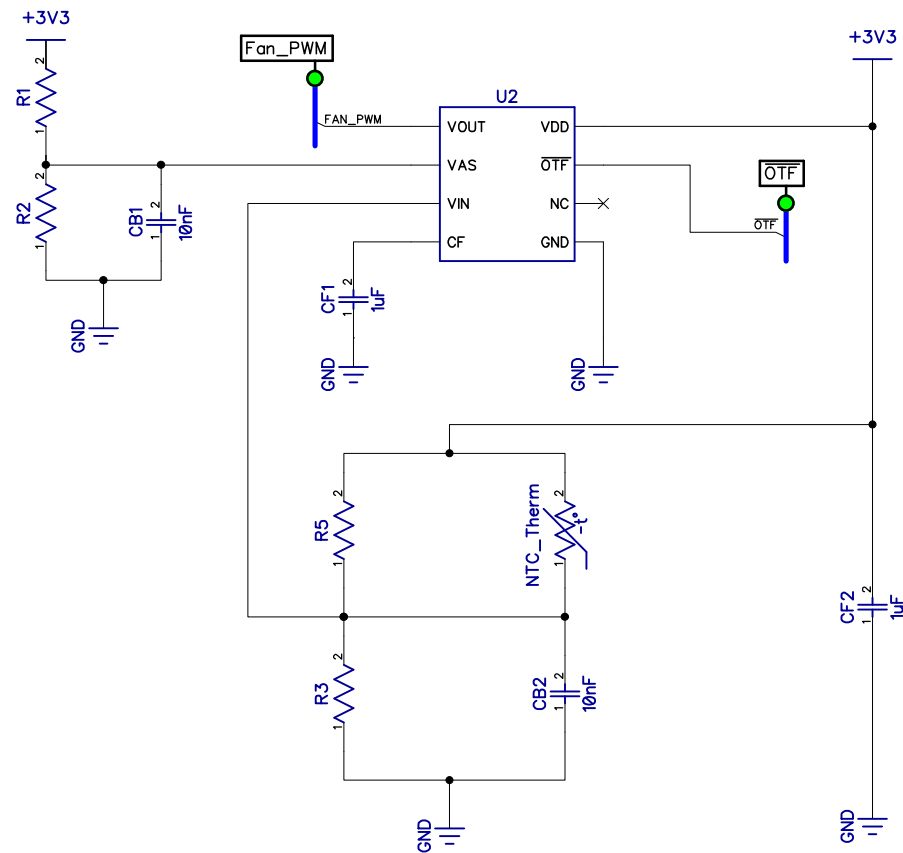
VDDIO2 pin caps



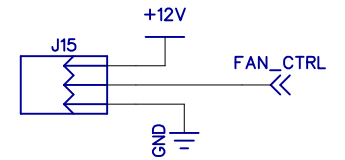
VDDA pin caps



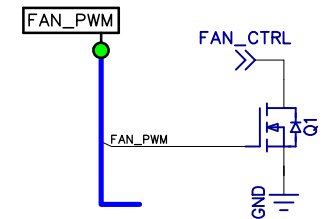
| UW Mars Rover | | |
|---------------------|-------------------------------|--------------|
| Size | Limit Switch & Fan Controller | Rev |
| A 1:1 | MicroController | 0.1 |
| Date 3 Nov 2017 | | Drawn by JHR |
| LimSw_FanCon_V1.dch | | Sheet 1 of 6 |



Fan Control



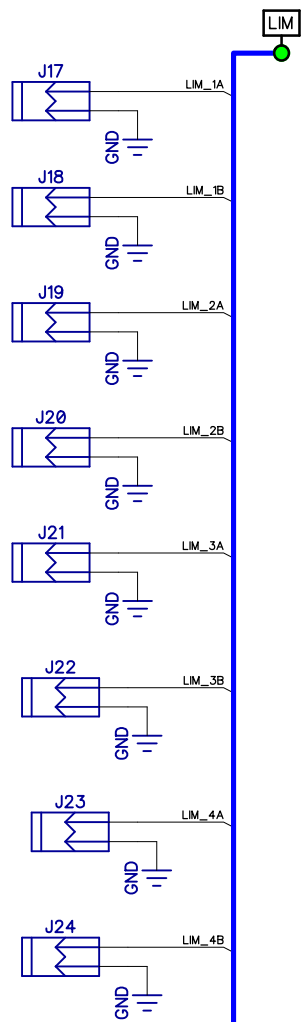
Fan FET



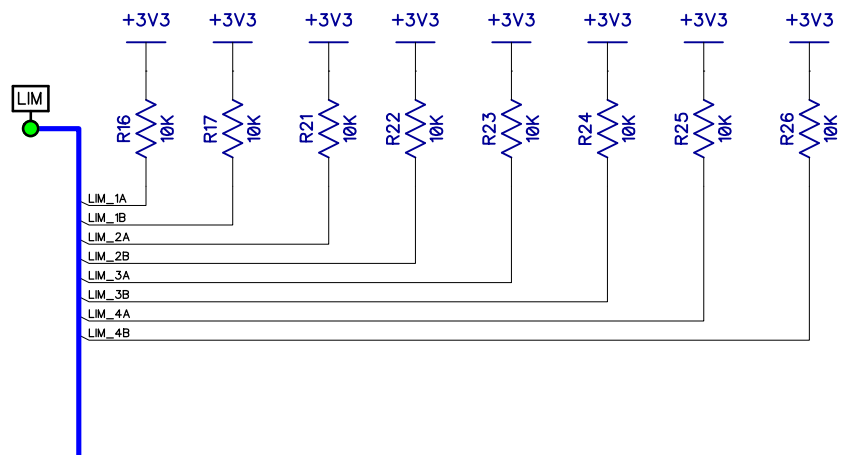
todo: enter calculated resistor values

todo: change transistor if necessary once sourced

| UW Mars Rover | | |
|---------------------|---------------------------------|-----|
| Size | Limit Switch and Fan Controller | Rev |
| A 1:1 | Fan Controller | 0.1 |
| Date 3 Nov 2017 | Drawn by JHR | |
| LimSw_FanCon_V1.dch | Sheet 2 of 6 | |

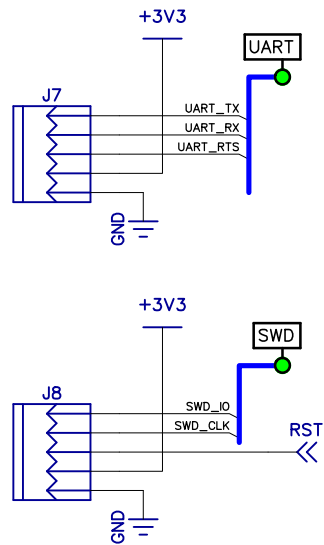
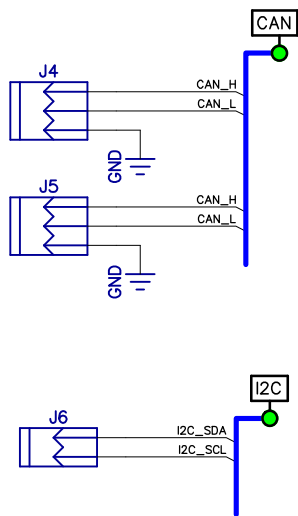


Limit switch pull-ups

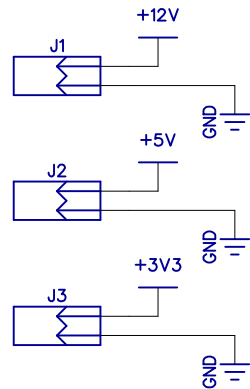


| UW Mars Rover | | |
|---------------------|-----------------------|--------------|
| Size | Template - Schematics | Rev |
| A 1:1 | Limit Switch | 0.1 |
| Date 3 Nov 2017 | | Drawn by JHR |
| LimSw_FanCon_V1.dch | | Sheet 3 of 6 |

Communications Connectors

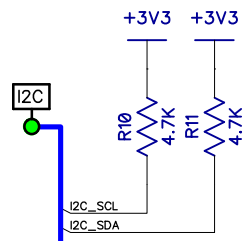


Power Connectors

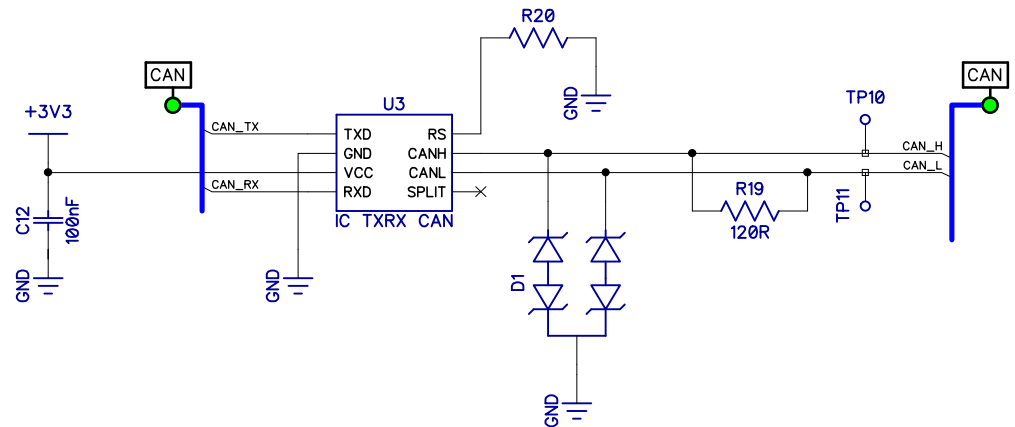
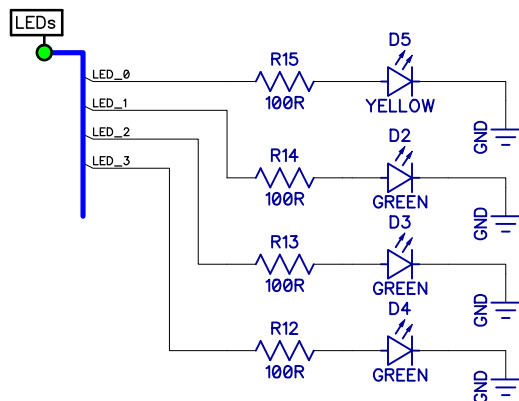


| UW Mars Rover | | |
|---------------------|-----------------------|--------------|
| Size | Template - Schematics | Rev |
| A 1:1 | Connections | 0.1 |
| Date 3 Nov 2017 | | Drawn by JHR |
| LimSw_FanCon_V1.dch | | Sheet 4 of 6 |

I2C pull-ups



LED circuits



| | | |
|---------------------|----------------------------------|--------------|
| UW Mars Rover | | |
| Size A 1:1 | Template - Schematics Support | Rev 0.1 |
| Date 3 Nov 2017 | | Drawn by JHR |
| LimSw_FanCon_V1.dch | | Sheet 5 of 6 |

| | | |
|---------------------|--------------------------------|--------------|
| UW Mars Rover | | |
| Size A 1:1 | Template - Schematics Power | Rev 0.1 |
| Date 3 Nov 2017 | | Drawn by JHR |
| LimSw_FanCon_V1.dch | | Sheet 6 of 6 |