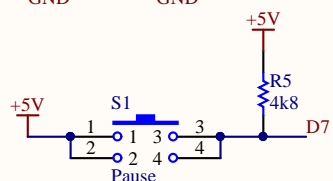
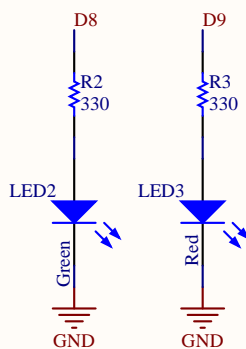
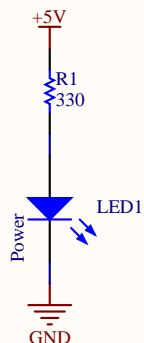
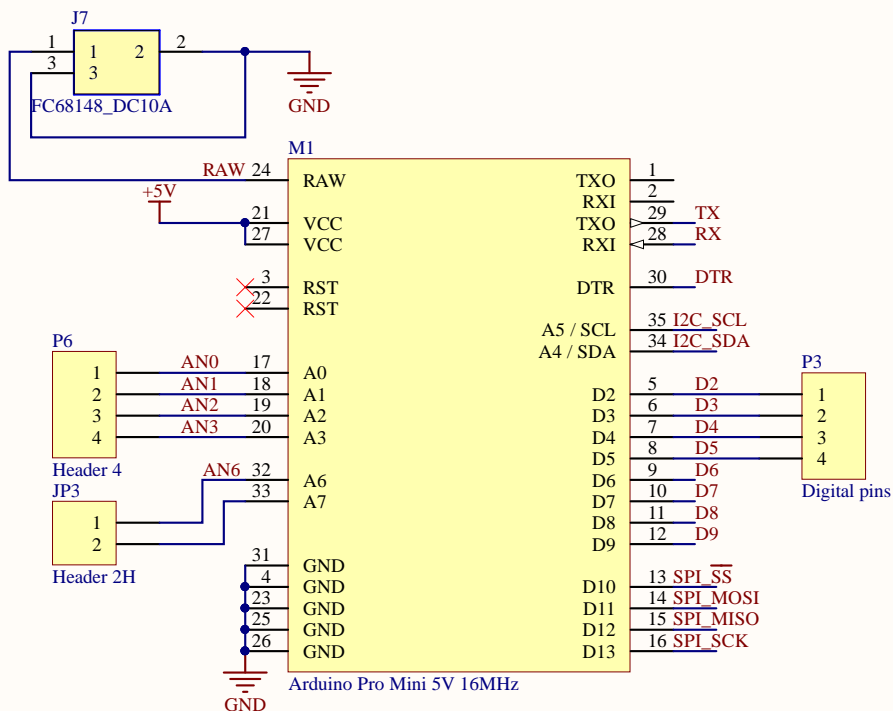
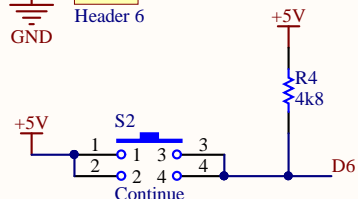
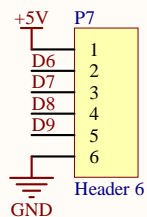


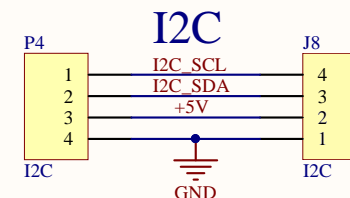
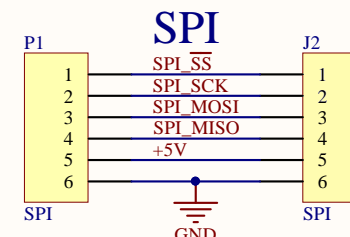
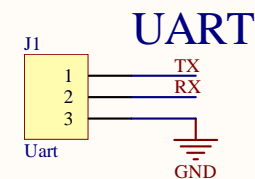
- ToDo list
- + Rats PCB
  - + Delete micro USB
  - + Reroute DC connector
  - + Mounting Holes
  - + Insert logo
  - Angled female header connector
  - + Redefine PCB shape
  - Edit distances between SPI and I2C, move DC power connector



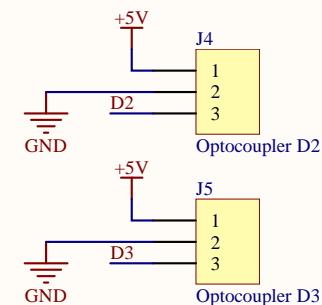
## Data recording control



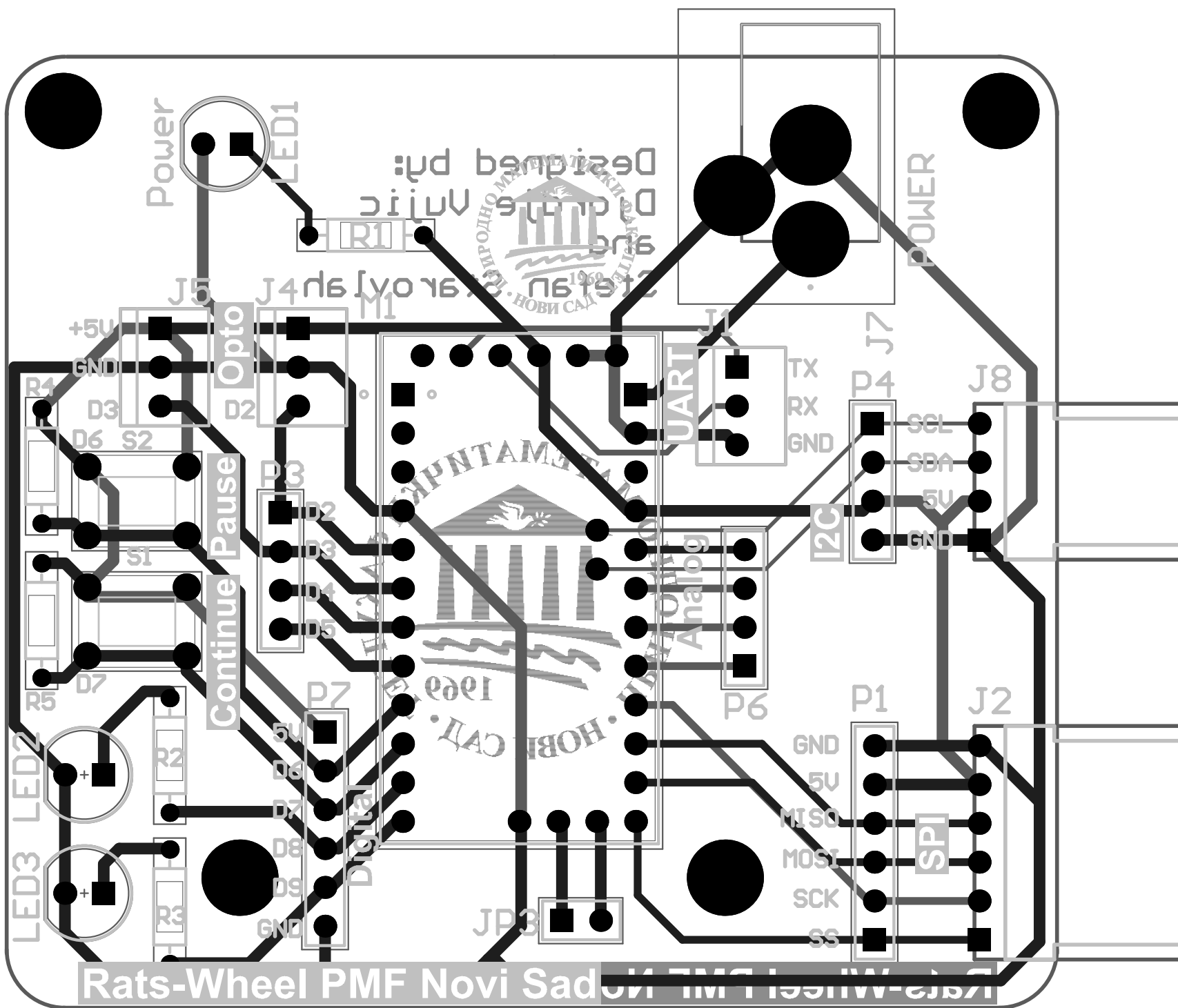
## Communication



## Optocoupler sensors



Title		
Size	Number	Revision
A		
Date:	11/24/2019	Sheet of
File:	C:\Users\...\Mouse-Wheel-v2-SCH.SchDocDrawn By:	



Comment	Description	Designator	Footprint	LibRef	Quantity
Uart	WR-WTB 2.54mm Male Locking Header, 3p	J1	61900311121	61900311121	1
SPI	WR-WTB 2.54mm Male Locking Header Bottom Angled Header, 6p	J2	61900611021	61900611021	1
Optocoupler D2	WR-WTB 2.54mm Male Locking Header, 3p	J4	61900311121	61900311121	1
Optocoupler D3	WR-WTB 2.54mm Male Locking Header, 3p	J5	61900311121	61900311121	1
FC68148_DC10A	CLIFF ELECTRONIC COMPONENTS - FC68148 DC10A - SOCKET, PCB, DC POWER, 2.1MM, PK10	J7	FC68148DC10A	FC68148_DC10A	1
I2C	WR-WTB 2.54mm Male Locking Header Bottom Angled Header, 4p	J8	61900411021	61900411021	1
Header 2H	Header, 2-Pin, Right Angle	JP3	HDR1X2	Header 2H	1
Power	Typical RED, GREEN, YELLOW, AMBER GaAs LED	LED1	LED	LED	1
Green	LED RADIAL	LED2	LED RADIAL 5MM GREEN	LED RADIAL 5MM GREEN	1
Red	LED RADIAL	LED3	LED RADIAL 5MM RED	LED RADIAL 5MM RED	1
Arduino Pro Mini 5V 16MHz		M1	Arduino Pro Mini	Arduino Pro Mini 5V 16MHz	1
SPI	Header, 6-Pin	P1	HDR1X6	Header 6	1
Digital pins	Header, 4-Pin	P3	HDR1X4	Header 4	1
I2C	Header, 4-Pin	P4	HDR1X4	Header 4	1
Header 4	Header, 4-Pin	P6	HDR1X4	Header 4	1
Header 6	Header, 6-Pin	P7	HDR1X6	Header 6	1
330	Resistor	R1, R2, R3	AXIAL-3mm	Res1	3
4k8	Resistor	R4, R5	AXIAL-3mm	Res1	2
Pause	B3F-1002 SWITCH TACT 6MM MOM 150GF	S1	SW-TACT	SW-PB	1
Continue	B3F-1002 SWITCH TACT 6MM MOM 150GF	S2	SW-TACT	SW-PB	1