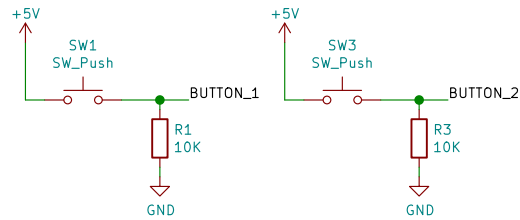
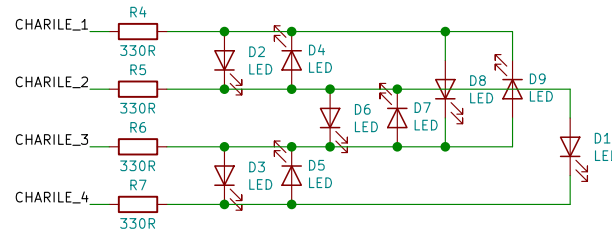


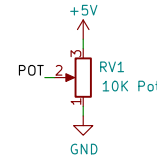
Push Buttons



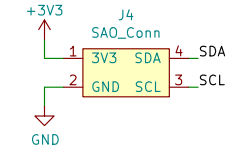
Charlieplexed LEDs



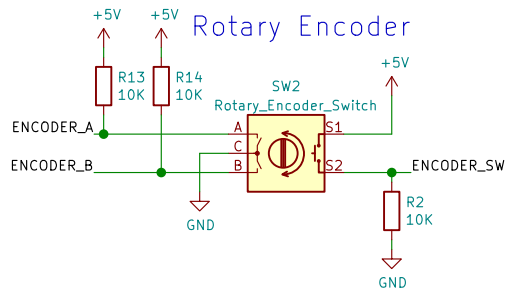
10K Potentiometer



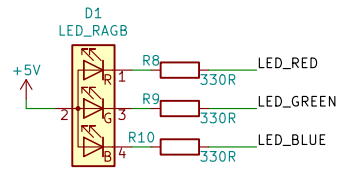
Shitty Add-On



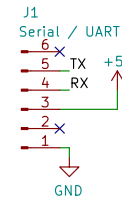
Rotary Encoder



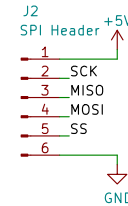
RGB LED Common Anode (+)



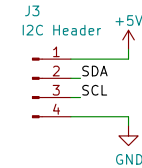
Serial Header



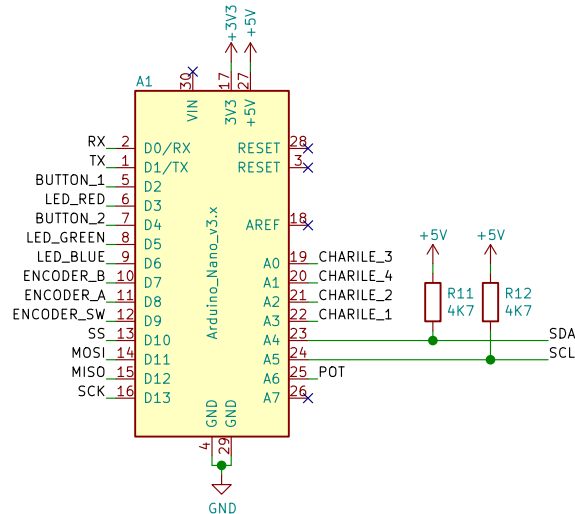
SPI Connection



I2C Connection



Arduino Nano



Arduino Microcontroller

1(TX) -	PD1(TXD)
0(RX) -	PD0(RXD)
D2 -	PD2(INT0)
D3 -	PD3(INT1)
D4 -	PD4
D5 -	PD5
D6 -	PD6
D7 -	PD7
D8 -	PB0
D9 -	PB1
D10 -	PB2(SS')
D11 -	PB3(MOSI)
D12 -	PB4(MISO)
D13 -	PB5(SCK)
A0 -	PC0
A1 -	PC1
A2 -	PC2
A3 -	PC3
A4 -	PC4(SDA)
A5 -	PC5(SCL)
A6 -	ADC6
A7 -	ADC7

(PCINT14/RESET) PC6	1	28	PC5 (ADC5/SCL/PCINT13)
(PCINT16/RXD) PD0	2	27	PC4 (ADC4/SDA/PCINT12)
(PCINT17/TXD) PD1	3	26	PC3 (ADC3/PCINT11)
(PCINT18/INT0) PD2	4	25	PC2 (ADC2/PCINT10)
(PCINT19/OC2B/INT1) PD3	5	24	PC1 (ADC1/PCINT9)
(PCINT20/XCK/T0) PD4	6	23	PC0 (ADC0/PCINT8)
VCC	7	22	GND
GND	8	21	AREF
(PCINT6/XTAL1/TOSC1) PB6	9	20	AVCC
(PCINT7/XTAL2/TOSC2) PB7	10	19	PB5 (SCK/PCINT5)
(PCINT21/OC0B/T1) PD5	11	18	PB4 (MISO/PCINT4)
(PCINT22/OC0A/AIN0) PD6	12	17	PB3 (MOSI/OC2A/PCINT3)
(PCINT23/AIN1) PD7	13	16	PB2 (SS/OC1B/PCINT2)
(PCINT0/CLKO/ICP1) PB0	14	15	PB1 (OC1A/PCINT1)



Josh Johnson

Sheet: /
File: arduinoNanoDev.sch

Title: Arduino Nano Dev Board

Size: A4 Date: 2019-04-06

KiCad E.D.A. eeschema (5.1.0)-1

Rev: 0

Id: 1/1