RC-Joystick Transmitter

ARDUINO

+9V +5V

1	TX1	VIN 30
2	RX1	3V3 17
		+5V 27
		RESET 3
		RESET 28
5	D2	
6	D3	
7	D4	AREF 18
8	D5	
9	D6	A0 19
10	D7	A1 20
11	D8	A2 21
12	D9	A3 22
13	D10	SDA/A4 23
14	MOSI	SCL/A5 24
15	MISO	A6 25
16	SCK	A7 26

SW_R, SW_L, BUTTON_1, BUTTON_2, BUTTON_3, CE, CSN, BUTTON_4, MOSI, MISO, SCK
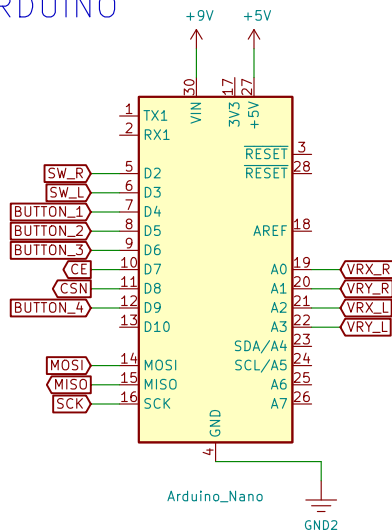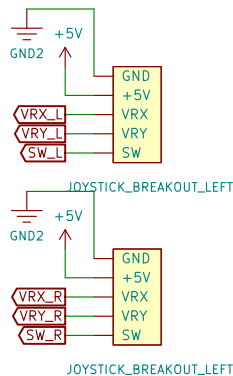
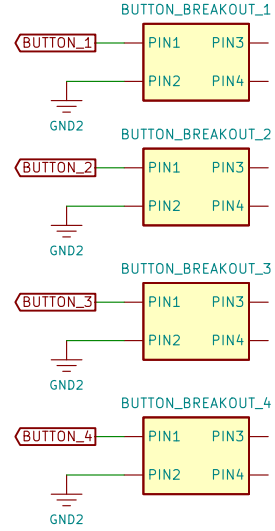VRX_R, VRY_R, VRX_L, VRY_L

GND 4

Arduino_Nano

GND2

Note: On the Arduino Nano, SCK = D13, MISO = D12, and MOSI = D11. CE and CSN can be any digital pin on the Arduino. So when changing, the pin definitions in the code must be changed.
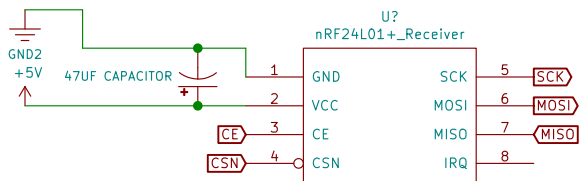
JOYSTICKS

+5V
GND2

GND
+5V
VRX
VRY
SW

VRX_L, VRY_L, SW_L

JOYSTICK_BREAKOUT_LEFT

+5V
GND2

GND
+5V
VRX
VRY
SW

VRX_R, VRY_R, SW_R

JOYSTICK_BREAKOUT_LEFT

BUTTONS

BUTTON_BREAKOUT_1

BUTTON_1

PIN1	PIN3
PIN2	PIN4

GND2

BUTTON_BREAKOUT_2

BUTTON_2

PIN1	PIN3
PIN2	PIN4

GND2

BUTTON_BREAKOUT_3

BUTTON_3

PIN1	PIN3
PIN2	PIN4

GND2

BUTTON_BREAKOUT_4

BUTTON_4

PIN1	PIN3
PIN2	PIN4

GND2

Note: Resistors not needed as Arduino has internal pullup resistors. Also, it does not matter which set of pins used, only matters the pins are beside eachother.

NRF24 RADIO TRANSMITTER

GND2
+5V

47UF CAPACITOR

U?
nRF24L01+_Receiver

1	GND	SCK	5	SCK
2	VCC	MOSI	6	MOSI
3	CE	MISO	7	MISO
4	CSN	IRQ	8	

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