RC-Joystick Transmitter

ARDUINO

+9V +5V

Pin	Label		Label	Pin

TX1 VIN 30
RX1 17 3V3
27 +5V

1 TX1
2 RX1

RESET 3
RESET 28

5 D2 SW_R
6 D3 SW_L
7 D4 BUTTON_1
8 D5 BUTTON_2
9 D6 BUTTON_3
10 D7 CE
11 D8 CSN
12 D9 BUTTON_4
13 D10

AREF 18

A0 19 VRX_R
A1 20 VRY_R
A2 21 VRX_L
A3 22 VRY_L
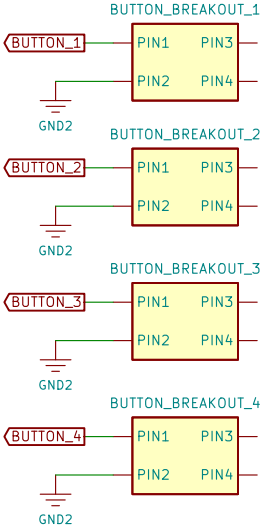SDA/A4 23
SCL/A5 24
A6 25
A7 26

14 MOSI MOSI
15 MISO MISO
16 SCK SCK

GND 4

Arduino_Nano

GND2
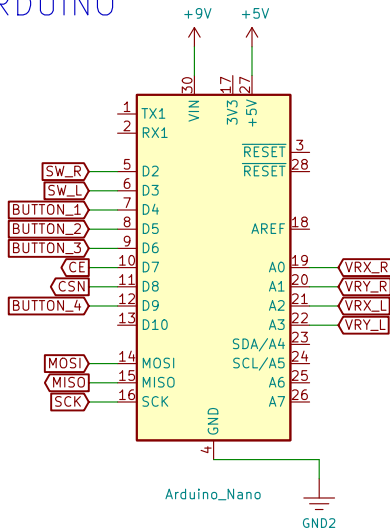
Note: On the Arduino Nano, SCK = D13,
MOSI = D12, and MISO = D11.

JOYSTICKS

+5V
GND2

GND
+5V
VRX_L VRX
VRY_L VRY
SW_L SW

JOYSTICK_BREAKOUT_LEFT

+5V
GND2

GND
+5V
VRX_R VRX
VRY_R VRY
SW_R SW

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
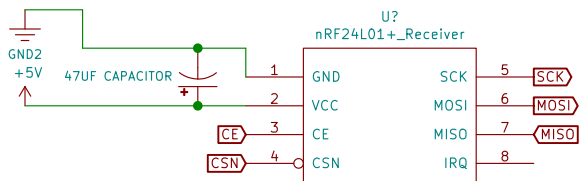GND2

BUTTON_BREAKOUT_4
BUTTON_4 PIN1 PIN3
PIN2 PIN4
GND2
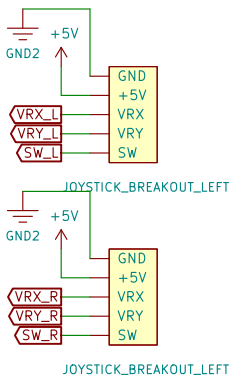
Note: Resistors not needed as Arduino has internal
pullup resistors. Also, it does not matter which set
of pins used, only matters the pins are beside
eachother.

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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