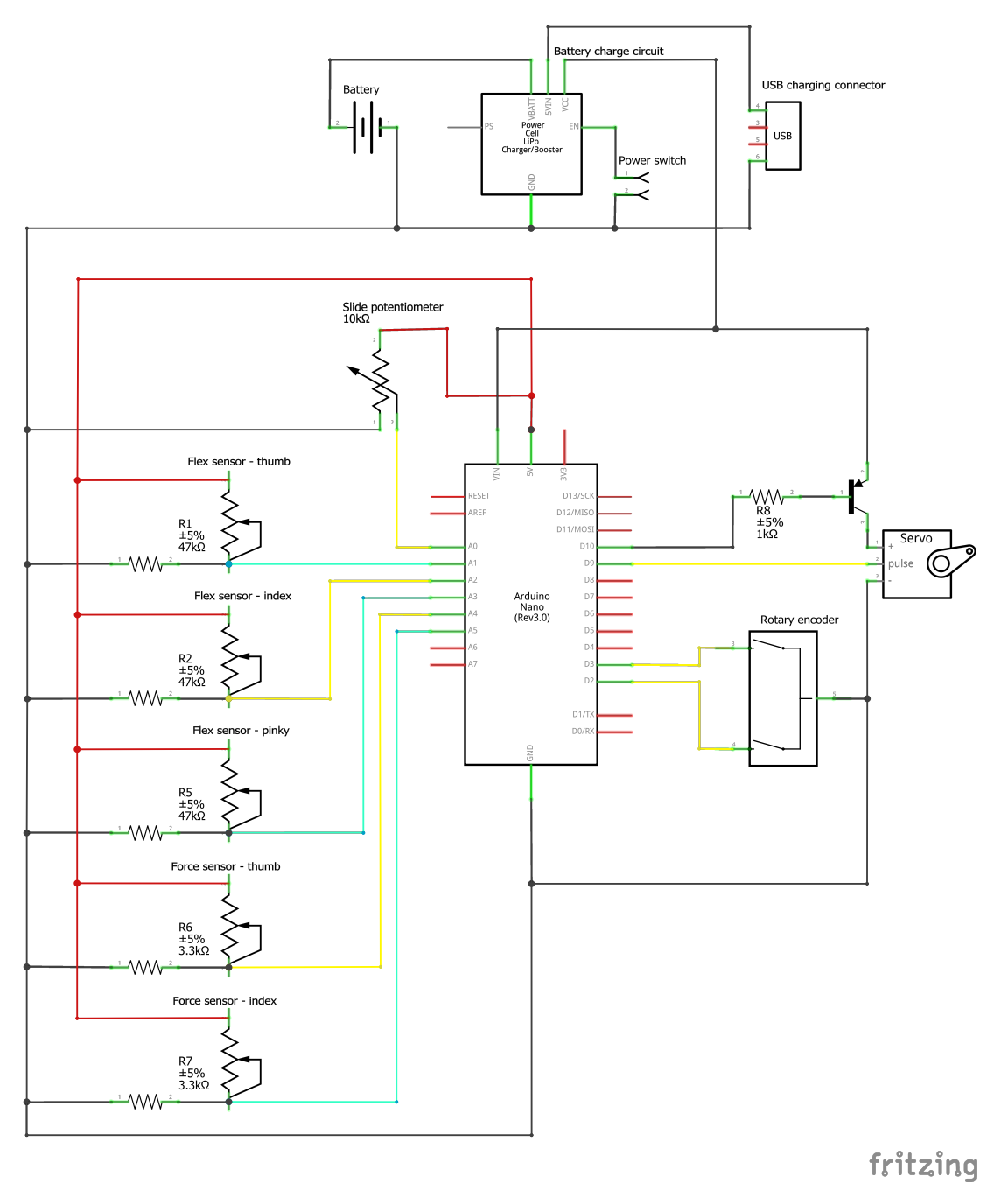
Battery charge circuit
Battery
USB charging connector
Power Cell LiPo Charger/Booster
VBATT
5VIN
VCC
PS
EN
GND
USB
Power switch
Slide potentiometer 10kΩ
Flex sensor - thumb
R1 ±5% 47kΩ
Flex sensor - index
R2 ±5% 47kΩ
Flex sensor - pinky
R5 ±5% 47kΩ
Force sensor - thumb
R6 ±5% 3.3kΩ
Force sensor - index
R7 ±5% 3.3kΩ
Arduino Nano (Rev3.0)
VIN
5V
3V3
RESET
AREF
A0
A1
A2
A3
A4
A5
A6
A7
D13/SCK
D12/MISO
D11/MOSI
D10
D9
D8
D7
D6
D5
D4
D3
D2
D1/TX
D0/RX
GND
R8 ±5% 1kΩ
Servo
pulse
Rotary encoder
fritzing