test

Hello

Title

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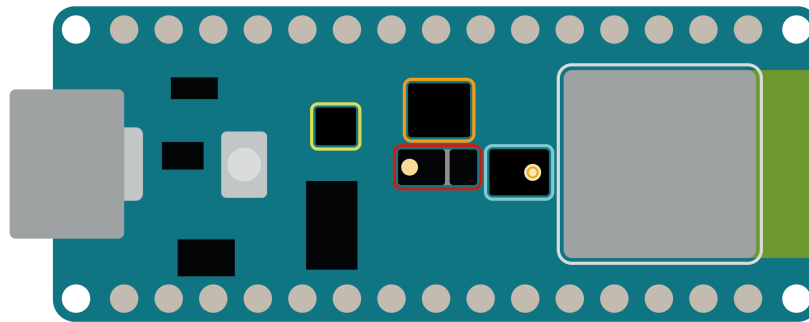
September 10, 2020

1 Maybe useful text

Thursday 20. August 2020, the group gathered and had a meeting with Steven Bos. We discussed our project idea and the potential use of the Microsoft HoloLens 2. It was in the group's best interest to put our resources into the microcontroller rather than the goggles, dismissing any development with the HoloLens.

On September 10. the group met to plan the project. After deciding on the initial design, we drew a sketch and wrote a short description. This was sent to our professor, along with a list of required parts as well as the associated budget. The initial design can be seen in section XX.
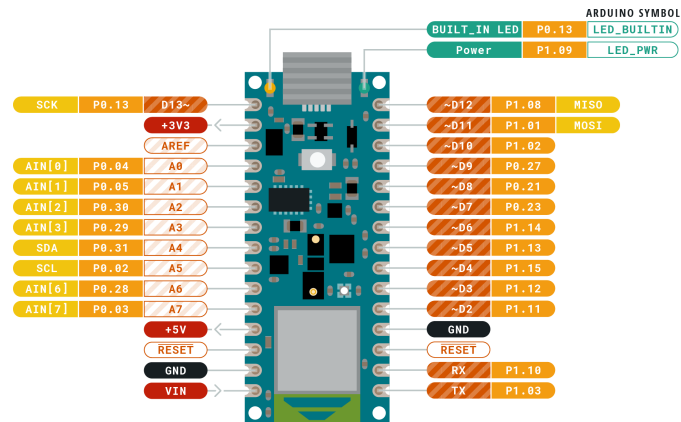
2 Maybe useful pictures

NANO 33 BLE SENSE

◆ Color, brightness, proximity and gesture sensor

◆ Digital microphone

◆ Motion, vibration and orientation sensor

◆ Temperature, humidity and pressure sensor

◆ Arm Cortex-M4 microcontroller and BLE module
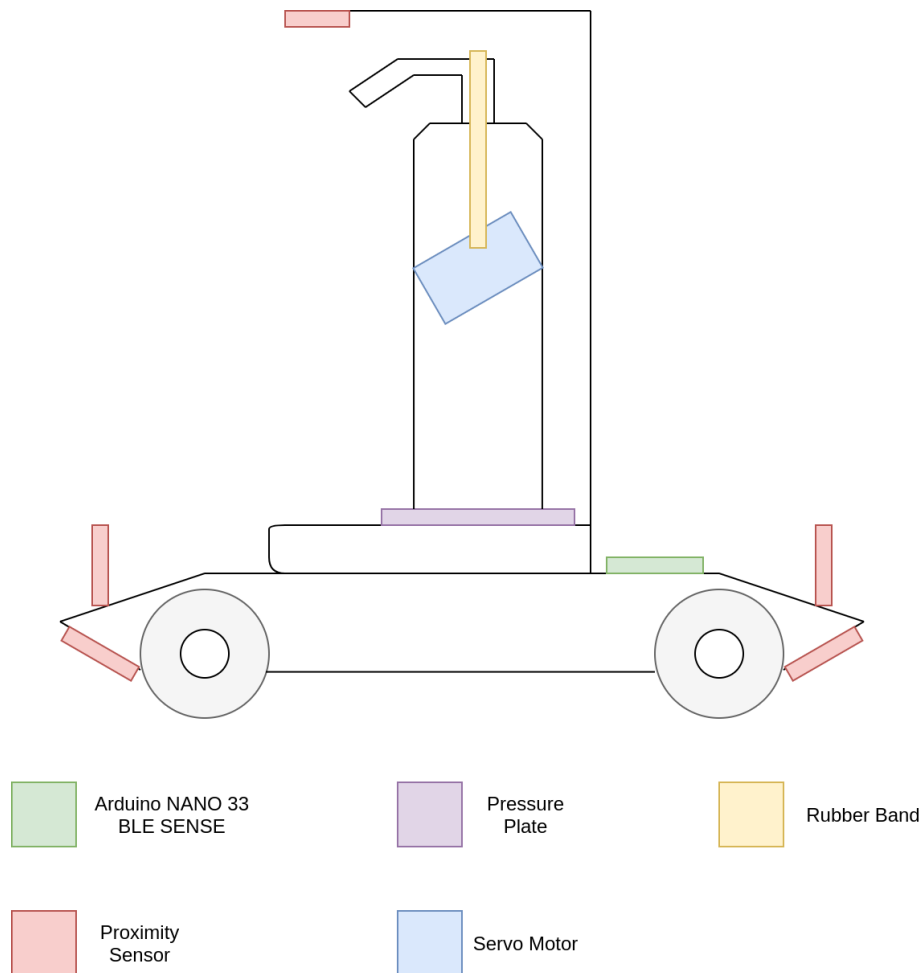
ARDUINO
NANO 33 BLE SENSE

ARDUINO SYMBOL

| BUILT_IN LED | P0.13 | LED_BUILTIN |
| Power | P1.09 | LED_PWR |

SCK	P0.13	D13~		~D12	P1.08	MISO
		+3V3		~D11	P1.01	MOSI
		AREF		~D10	P1.02	
AIN[0]	P0.04	A0		~D9	P0.27	
AIN[1]	P0.05	A1		~D8	P0.21	
AIN[2]	P0.30	A2		~D7	P0.23	
AIN[3]	P0.29	A3		~D6	P1.14	
SDA	P0.31	A4		~D5	P1.13	
SCL	P0.02	A5		~D4	P1.15	
AIN[6]	P0.28	A6		~D3	P1.12	
AIN[7]	P0.03	A7		~D2	P1.11	
		+5V				GND
		RESET				RESET
		GND		RX	P1.10	
		VIN		TX	P1.03	

■ Ground	■ Internal Pin	▨ Digital Pin	■ Microcontroller's Port
■ Power	■ SWD Pin	▢ Analog Pin	
■ LED	▢ Other Pin	■ Default	

🟩 Arduino NANO 33 BLE SENSE	🟪 Pressure Plate	🟨 Rubber Band
🟥 Proximity Sensor	🟦 Servo Motor	

3 Maybe sources

https://store.arduino.cc/arduino-nano-33-ble-sense
https://www.microsoft.com/en-us/hololens/buy