NodeMCU | ESP8266

ESP8266 Arduino refrence: https://arduino-esp8266.readthedocs.io

TOUT	ADC0
	GND
5V	VUSB
SDD3	GPIO10
SDD2	GPIO09
SDD1	MOSI
SDCMD	CS
SDD0	MISO
SDCLK	SCLK
	GND
	3V3
	EN
	RST
	GND
	VIN 5V

Board pins: A0, G, VU, S3, S2, S1, CS, S0, SK, G, 3V, RX, RST, G, VIN

Board pins: D0, D1, D2, D3, D4, 3V, G, D5, D6, D7, D8, RX, TX, G, 3V

GPIO16	USER	WAKE
GPIO5		
GPIO4		
GPIO0	FLASH	
GPIO2	TXD1	
3V3		
GND		
GPIO14	HSCLK	
GPIO12	HMISO	
GPIO13	RXD2	HMOSI
GPIO15	TXD2	HCS
GPIO3	RSD0	
GPIO1	TXD0	
GND		
3V3		

Sensor Setup

Button Setup

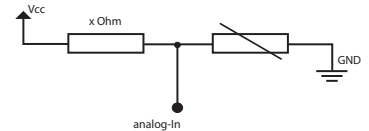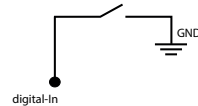## Digial InPins

D1 (Pin 5), D2 (Pin 4), D4 (Pin 2), D5 (Pin 14), D6 (Pin 12), D7 (Pin 13),
D8 (Pin 15), D9 (Pin 3), D10 (Pin 1)

onboard LED --> D0 / Pin 16 | onboard LED 2 --> D4 (Pin 2)
onboard Button --> D3 / Pin 0

Analog Output

pin 0–15 --> analogWrite(pin, value) | value --> 0–1023
set new value range analogWriteRange(new_range)
WM frequency is 1kHz by default.
set new frequency --> analogWriteFreq(new_frequency)

Analog Input

ADC pin --> analogRead(A0) | value --> 0–1023