FLUOWiFi

PINOUT

6 - 20V

GND

5V

2.1mm

USB JACK
Micro Type B

ESP32 Gateway

24	PC5	PCINT21	TDI	RX5
23	PC4	PCINT20	TDO	TX5
30	PA7	PCINT7	ADC7	ATMEGINT

- Power
- GND
- Physical PIN
- Port PIN
- Analog PIN
- Serial PIN
- PIN Function
- Interrupt PIN
- Control PIN

16U2 ICSP Pinout

RESET	3	PB1	PCINT1	SCLK
	2	PB3	PCINT3	PDØ MISO
GND	5V			
	16	PB2	PCINT2	PDI MOSI

AP RESET

RESET

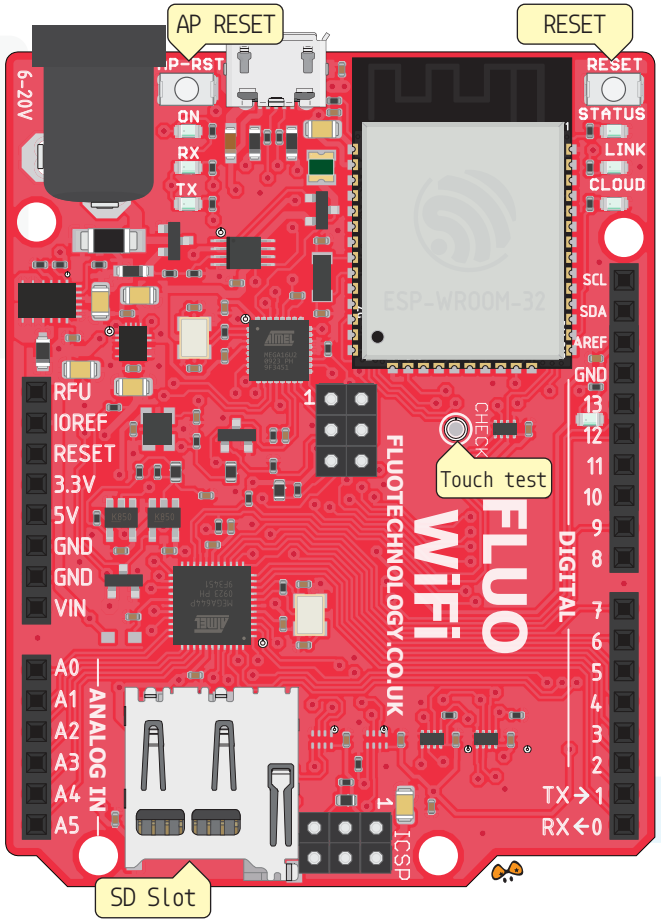
Absolute MAX per pin 40mA
reccomended 20mA

Absolute MAX per pin 200mA
for entire package

The maximum reccomended current you can draw is 750mA for 3.3V and 750mA for 5V

NC				
IOREF				
RESET				
3V3				
5V				
GND				
GND				
VIN				

ADC5	PCINT5	PA5	32	
ADC4	PCINT4	PA4	33	
ADC3	PCINT3	PA3	34	
ADC2	PCINT2	PA2	35	
ADC1	PCINT1	PA1	36	
ADCØ	PCINTØ	PAØ	37	



19	PCØ	PCINT16			SCL
20	PC1	PCINT17			SDA
AREF					
GND					
41	PB1	PCINT9	CLKO	T1	
40	PBØ	PCINT8	XCKØ	TØ	
43	PB3	PCINT11	OCØA	AIN1	
44	PB4	PCINT12	OCØB	SS	SS
16	PD7	PCINT31	OC2A		
42	PB2	PCINT10	INT2	AINØ	
25	PC6	PCINT22	TOSC1		
15	PD6	PCINT30	OC2B	ICP1	
14	PD5	PCINT29	OC1A		
12	PD3	PCINT27	INT1		TXD1
13	PD4	PCINT28	OC1B	XCK1	
11	PD2	PCINT26	INTØ		RXD1
10	PD1	PCINT25			TXDØ
9	PDØ	PCINT24			RXDØ

Connected to the ATMega and used for USB programming and comunicating with it.

The input voltage to the board when it's running from external power. Not USB bus power! VIN

Provides a logic reference voltage for shields that use it. It's connected to the 5V bus. IOREF

ICSP Pinout

RESET	3	PB7	PCINT15	SCK
	2	PB6	PCINT14	MISO
GND	5V			
	1	PB5	PCINT13	MOSI

CC BY SA

09 Mar 2017
ver 1 rev 1