



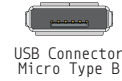
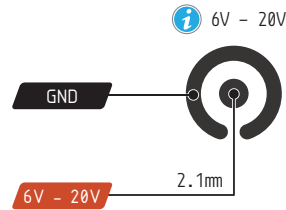
# FLUO TECHNOLOGY

[www.fluotechnology.co.uk](http://www.fluotechnology.co.uk)

Input voltage to the board when it's using an external power supply. Not USB bus voltage!

Logic reference voltage for shields  
Connected to the 5V bus

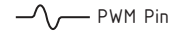
The **maximum recommended** current you can draw is 750mA for 3.3V and 750mA for 5V



### ESP-32 Gateway

24	PC5	PCINT <sup>21</sup>	TDI	RX5
23	PC4	PCINT <sup>20</sup>	TDO	TX5
30	PA7	PCINT <sup>7</sup>	ADC7	ATMEGINT

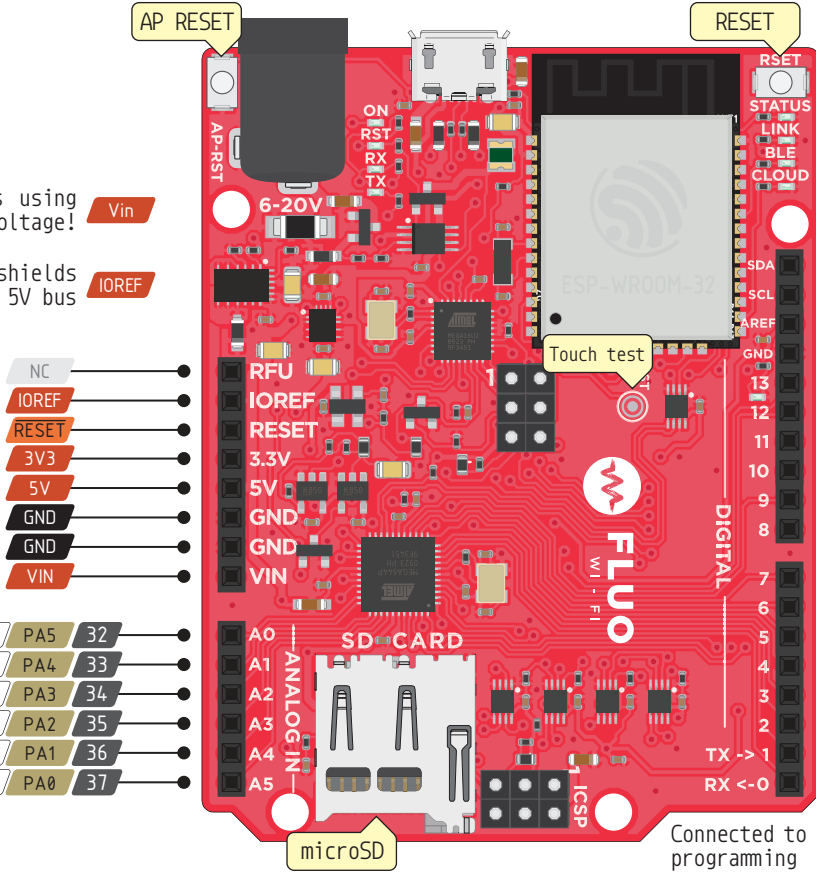
	Power		Serial PIN
	GND		PIN Function
	Physical PIN		Interrupt PIN
	Port PIN		Control PIN
	Analog PIN		IDE



**!** Absolute MAX per pin  
40mA, 20mA recommended

**!** Absolute MAX 200mA  
for the entire package

**i** GPIO pins rated at 5V

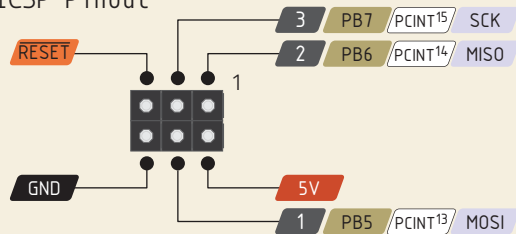


26	A5	ADC5	PCINT <sup>5</sup>	PA5	32
27	A4	ADC4	PCINT <sup>4</sup>	PA4	33
28	A3	ADC3	PCINT <sup>3</sup>	PA3	34
29	A2	ADC2	PCINT <sup>2</sup>	PA2	35
30	A1	ADC1	PCINT <sup>1</sup>	PA1	36
31	A0	ADC0	PCINT <sup>0</sup>	PA0	37

19	PC0	PCINT <sup>16</sup>	SCL	16	
20	PC1	PCINT <sup>17</sup>	SDA	17	
	AREF				
	GND				
41	PB1	PCINT <sup>9</sup>	CLK0	T1	1
40	PB0	PCINT <sup>8</sup>	XCK0	T0	0
43	PB3	PCINT <sup>11</sup>	OC0A	AIN1	3
44	PB4	PCINT <sup>12</sup>	OC0B	SS	4
16	PD7	PCINT <sup>31</sup>	OC2A		15
42	PB2	PCINT <sup>10</sup>	INT2	AIN0	2
25	PC6	PCINT <sup>23</sup>	TOSC1		22
15	PD6	PCINT <sup>30</sup>	OC2B	ICP1	14
14	PD5	PCINT <sup>29</sup>	OC1A		13
12	PD3	PCINT <sup>27</sup>	INT1	TXD1	11
13	PD4	PCINT <sup>28</sup>	OC1B	XCK1	12
11	PD2	PCINT <sup>26</sup>	INT0	RXD1	10
10	PD1	PCINT <sup>25</sup>		TXD0	9
9	PD0	PCINT <sup>24</sup>		RXD0	8

Connected to the ATmega and used for USB programming and communicating with it

### ICSP Pinout



### 16U2 ICSP Pinout

