IC1
LM2937

5V 1 | VI   VO | 3 3.3
       GND
        2
        GND

X1
5V 1
D− 2   USB
D+ 3
GND 4
PN61729

JP1
5V   1   3.3V
TX   2
RX   3
GND 4
PINHD−1X4   3.3V

GND

CH340G

GND 1 | GND   VCC | 16 3.3V
     2 | TX   RS232| 15
     3 | RX   RTS | 14
     4 | V3   DTR | 13
D+   5 | D+   DCD | 12
D−   6 | D−   RI | 11
     7 | XI   DSR | 10
     8 | XO   CTS | 9

12MHZ
CRYSTALHC18U−V

C2   C3
22pF   22pF
      GND

X1

5V	1	
D−	2	USB
D+	3	
GND	4	

PN61729

JP1

5V
TX
RX
GND

5V

PINHD−1X4

C1

GND uF

CH340G

GND	1	GND	VCC	16	5V
	2	TX	RS232	15	
	3	RX	RTS	14	
	4	V3	DTR	13	
D+	5	D+	DCD	12	
D−	6	D−	RI	11	
	7	XI	DSR	10	
	8	XO	CTS	9	

12MHZ
CRYSTALHC18U−V

C2   C3

22pF   22pF

GND

Some of those serial dongles (I have one which is intended for esp01) have been configured for 5V operation instead of 3.3V.

You can check that by measuring RX and TX while plugged in in USB and if they are more than 3.3V your dongle is not really
3.3V.