ESP32-pinout + buzzer

U3
ESP32_DevKit_V1_DOIT

Pin	Signal		Signal	Pin
1	EN	IO23	Pin_led_1	36
2	SENSOR_VP	IO22	pin_IR	35
3	SENSOR_VN	TX0	tx0	34
4	IO34	RX0		33
5	IO35	IO21	ENB	32
6	IO32	IO19	IN2	31
7	IO33	IO18	IN1	30
8	IO25	IO5		29
9	IO26	TX2		28
10	IO27	RX2		27
11	IO14	IO4	ENA	26
12	IO12	IO2	IN3	25
13	IO13	IO15	IN4	24
14	SD2	IO0		23
15	SD3	SD1		22
16	CMD	SD0		21
17	GND	CLK		20
18	VIN	3V3		19

buzzer

IN_4_STEP
IN_3_STEP
IN_2_STEP
IN_1_STEP

Pin_led_2 y 3

+5V

GND

J5
buzzer
2 buzzer
1

GND

stepper driver

VCC

motor_PWR

C2 100u
C3 100n

GND

U2
ULN2003A

Pin			Pin
	COM	motor_PWR	9
1	I1	O1	16
2	I2	O2	15
3	I3	O3	14
4	I4	O4	13
5	I5	O5	12
6	I6	O6	11
7	I7	O7	10
8	GND		

IN_1_STEP
IN_2_STEP
IN_3_STEP
IN_4_STEP

motor_PWR

motor_PWR

J4
5
4
3
2
1
conector a stepper

GND

regulador de tensión

VCC

U1
LM78M05

VI VO
GND

+5V

C1 10uf
C4 220uf
R1 1k

D1 LED

GND

DRIVER l298n

+5V

VCC

U4
L298(H)N

Vss Vs

IN1
IN2
EnA
IN3
IN4
EnB

OUT1
OUT2
OUT3
OUT4

SENSE_A
SENSE_B
GND

IN1 5
IN2 7
ENA 6
IN3 10
IN4 12
ENB 11

OUT1 2
OUT2 3
OUT3 13
OUT4 14

1n4001 D2
1n4001 D4
1n4001 D6
1n4001 D8

C5 220uf

1n4001 D3
1n4001 D5
1n4001 D7
1n4001 D9

J6 motor izq

J7 motor der

GND

bateria y switch

J8
bateria
7.4v-8.4v

+BATT

+BATT
switch1
VCC

GND

pinera a modulo emisor

pin_IR
tx0

J9
salida emisor

GND

LEDS RGBs

+5V
Pin_led_1
J1
led rgb
GND

+5V
Pin_led_2 y 3
J2
led rgb
GND

+5V
Pin_led_2 y 3
J3
led rgb
GND