INPUT SENSOR

ENTER1
3 — +5
2 — GND
1 — IO35

EXIT1
3 — +5
2 — GND
1 — IO19

XE 1
3 — +5
2 — GND
1 — IO32

XE 2
3 — +5
2 — GND
1 — IO33

XE 3
3 — +5
2 — GND
1 — IO25

XE 4
3 — +5
2 — GND
1 — IO26

U1 — ESP32-DEVKITC-32U

Left		Right	
1	3V3	GND3	38
2	EN	IO23	37 MOSI IO23
3	SENSOR_VP	IO22	36 SCL
4	SENSOR_VN	TXD0	35
5 IO34	IO34	RXD0	34
6 IO35	IO35	IO21	33 SDA
7 IO32	IO32	GND2	32
8 IO33	IO33	IO19	31 MISO IO19
9 IO25	IO25	IO18	30 SCK IO18
10 IO26	IO26	IO5	29 SS_PIN1 IO5
11 IO27	IO27	IO17	28 SS_PIN2 IO17
12 IO14	IO14	IO16	27 RST_PIN2 IO16
13 IO12	IO12	IO4	26 RST_PIN1 IO0 BUZ
14	GND1	IO0	25
15 IO13	IO13	IO2	24
16	SD2	IO15	23
17	SD3	SD1	22
18	CMD	SD0	21
19	EXT_5V	CLK	20

3V3
GND — (14)
+5 — (19)

OUTPUT SERVO

SERVO1
IO14
1
2 +5
3 GND

SERVO2
IO12
1
2 +5
3 GND

Power supply — LM1

JDC1 — Jac DC
+12
C2 100uF/16V

LM1
5 VIN OUT 2
5 ON/OFF FB 4
3 GND TAB 6

L1 3.3 UH
D1 SS34
C1 100uF/16V
+5
R1 330
LED1
GND

HD1
+5
1
2
Header 2
GND

JP4 (C3)
+5
GND
C3
1
2
3 SDA
4 SCL
JP4

JP4 (C4)
IO17
IO16
+5
GND
C4
1
2
3
4
JP4

Title		
Size A3	Number	Revision
Date: 6/20/2024		Sheet of
File: D:\FUVITECH\..\ESP32_SERVO.SchDoc	Drawn By:	
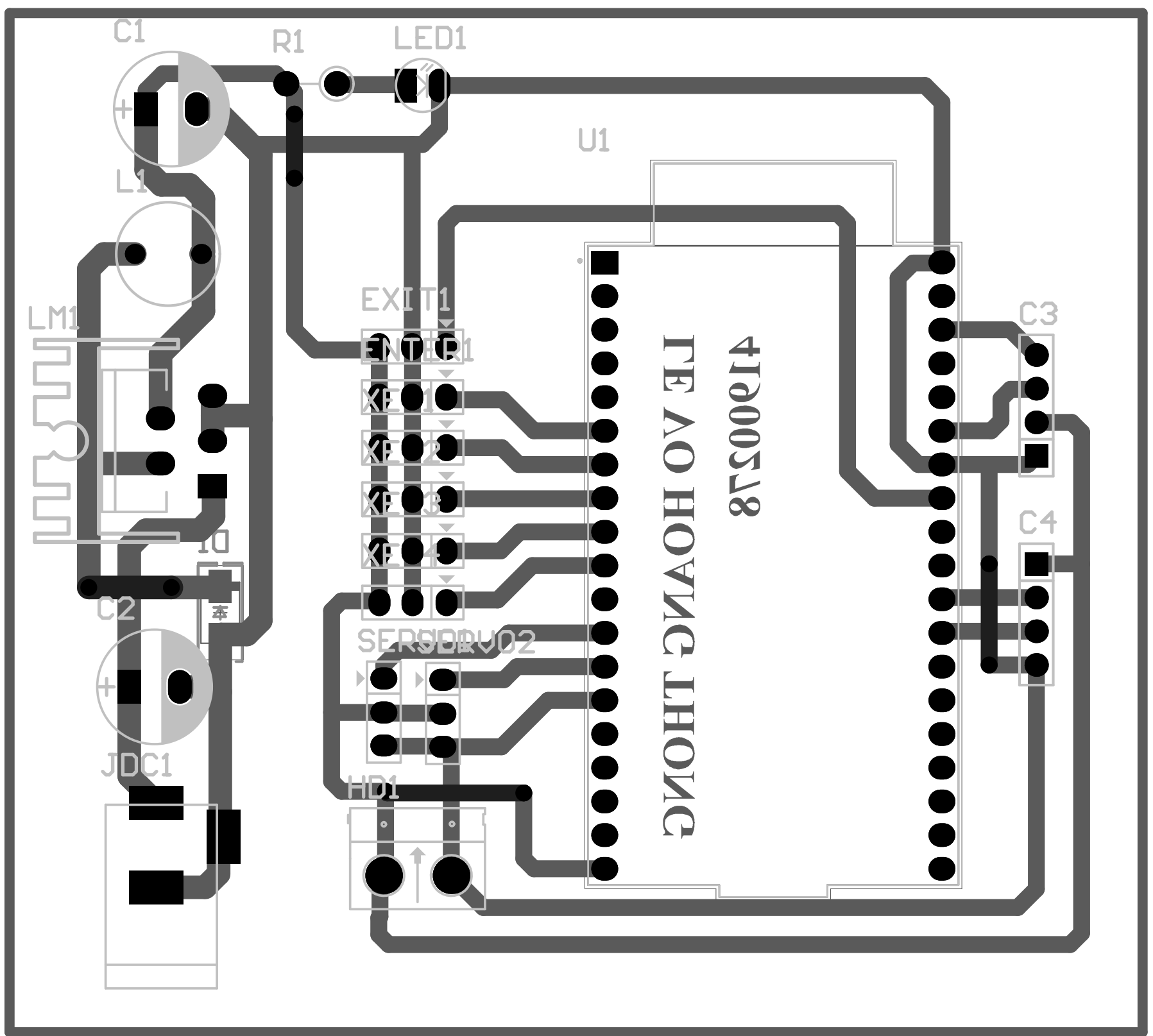
Comment	Description	Designator	Footprint	LibRef	Quantity
100uF/16V	Cap 1000uF/16V - 220	C1	CP1.5/3.4	CP4	1
100uF/16V	Cap 1000uF/16V - 220	C2	CP1.5/3.4	CP4	1
JP4	WR-PHD 2.54 mm Ang	C3	JP4-C1T	JP4	1
JP4	WR-PHD 2.54 mm Ang	C4	JP4-C1T	JP4	1
SS34	Dán	D1	DIODE SMA	Diode SS34 (1N5822)	1
	Jumper 3	ENTER1	JP3	JP3	1
	Jumper 3	EXIT1	JP3	JP3	1
Header 2	Header 2 (Green)	HD1	HED2	Hed2	1
Jac DC	Jac DC input	JDC1	DC-IN	DCIN	1
3.3 UH	Inductor	L1	L-DIP-M-7.8	L-DIP-1	1
LED	LED Single colour Gree	LED1	LED-3	LED	1
LM2576	LM2576	LM1	QTO-220-5-1H1	LM2576	1
330	Resistor 1/4W	R1	R1/4WD	R1/4W	1
	Jumper 3	SERVO1	JP3	JP3	1
	Jumper 3	SERVO2	JP3	JP3	1
ESP32-DEVKITC-32U	ESP32-DEVKITC	U1	MODULE_ESP32-DEVK	ESP32-DEVKITC-32U	1
	Jumper 3	XE 1	JP3	JP3	1
	Jumper 3	XE 2	JP3	JP3	1
	Jumper 3	XE 3	JP3	JP3	1
	Jumper 3	XE 4	JP3	JP3	1