NGUỒN

JACK DC? 5V
JACK DC 5.5 GND

5V R1 330 Led xanh 1 2 GND

RUNG

RUNG 1 2 3 4
GND
5V
RUNG

SIÊU ÂM

GND
Echo 1 2 3 4
Trig
5V
SIEU AM

HỒNG NGOẠI

5V
GND 1 2 3
IR
HONG NGOAI

KHÍ GAS

GND
5V 1 2 3 4
GAS
KHI GAS

ĐO NHIỆT ĐỘ , ĐỘ ẨM

5V
DHT11 1 2 3
GND
DHT22

3v3 R4 10k NUT_NHAN NHAC 1 2 R6 10k GND

CUTE 1 2 R7 2.2k GND

5V D1 100v XUONG 1 2 C3 1 2 GND

KHỐI ĐIỀU KHIỂN

3v3 ESP32 GND

ESP32 DEVKIT
3.3V GND
EN G23 MOSI
SP G22 SCL
SN TXD
NUT_NHAN G34 RXD
GAS G35 G21 SDA
Echo G32 GND
Trig G33 G19 MISO
DIN G25 G18 SCK
SERVO G26 G5 CS
RUNG G27 G17 IR
LedDo G14 G16 COI
G12 G4 LRC
GND G0
DHT11 G13 G2
GND SD2 G15 BCLK
SD3 SD1
5V GND SD0
V5 CLK

ESP32 DEV KIT

GND MISO

OLED
SDA 5V
SCL GND
OLED

CẢNH BÁO

LedDo R2 330 Led Do 1 2 GND

COI R3 330 B1 1 2 GND

SERVO

GND
5V C2 1 2 3
SERVO
Sorvo

THẺ SD

5V GND
1 2 3 4 5 6
MISO
MOSI
SCK
CS
THE SD

LOA

5V
GND C1 1uF 1 2 3 4 5 6 7
DIN
BCLK
LRC
I2S LOA

JP?_1

H?_1
RGB?_1 HONG_NGOAI_1

ESP32_1

NHAC_1 R6_1 R4_1
B1_1 R5_1
CUTE_1 R7_1
XUONG_1 R2_1
Led_Do_1
Led_xanh_1
H? THE_SD_1
C3_1 D1_1 R?_1
JACK DC?_1 H?_ I2S_LOA_1
C2_1 C1_1
SERVO

JP?

H?
RGB? HONG_NGOAI

ESP32

NHAC R6 R4
B1 R5
CUTE R7
XUONG R2
Led_Do
Led_xanh
H? THE_SD
C3 D1 R?
JACK DC? H? I2S_LOA
C2 C1
SERVO

Comment	Description	Designator	Footprint	LibRef	Quantity
Buzzer		B1	BUZZER	Buzzer_1	1
1uF	Cắm	C1	tu tantalum dip5.08	Tu tantalum 1uF DIP5.08	1
100uF	Cắm	C2, C3	tu hoa 5mm	Tu Hoa 100uF 16V 5x7	2
Header 2P 2.54 Duc Cong	Cắm	CUTE, H1, NHAC, XUONG	Header 2P DC 2.54	Header 2P 2.54 Duc Cong	4
100v	Cắm	D1	DIODE 1A	Diode 1N4007	1
ESP32 DEV KIT		ESP32	ESP32 DEVKIT	ESP32 DEV KIT	1
DHT22	Cắm	H?	XH2.54M-3	Header 3P 2.54 Duc Thang	1
KHI GAS	Cắm	H?	Header 4P DC 2.54	Header 4P 2.54 Duc Cong	1
HONG NGOAI	Cắm	HONG NGOAI	JP 1x3 CC	JP 1x3 2.54 Cai Cong	1
I2S LOA	Cắm	I2S LOA	JP 1x7 CT	JP 1x7 2.54 Cai Thang	1
JACK DC 5.5	JACK DC 5.5	JACK DC?	JACK DC 5.5	JACK DC 5.5	1
SIEU AM	Cắm	JP?	JP 1x4 CC	JP 1x4 2.54 Cai Cong	1
LED 5mm	Cắm	Led Do	LED-5MM-RED	LED 5mm Do	1
LED 5mm	Cắm	Led xanh	LED-5MM-Green	LED 5mm Xanh La	1
330	Cắm	R1, R2	tro vach 1/4w	Tro Vach 1/4W 5% 150R	2
330	Resistor 1/4W	R3	R1/4W	R1/4W	1
10k	Resistor 1/4W	R4, R6	R1/4W	R1/4W	2
2.2k	Resistor 1/4W	R7	R1/4W	R1/4W	1
OLED	Cắm	RGB?	XH2.54M-4	Header 4P 2.54 Duc Thang	1
RUNG	Cắm	RUNG	JP 1x4 CC	JP 1x4 2.54 Cai Cong	1
Sorvo	Cắm	SERVO	JP 1x3 DC	JP 1x3 2.54 Duc Cong	1
THE SD	Cắm	THE SD	JP 1x6 CC	JP 1x6 2.54 Cai Cong	1