U1
ESP32-DEVKITC-32D

+3.3V

Pin	Name		Name	Pin
J2-1	3V3		GND3	J3-1
J2-2	EN		IO23	J3-2
J2-3	SENSOR_VP		IO22	J3-3
J2-4	SENSOR_VN		TXD0	J3-4
J2-5	IO34		RXD0	J3-5
J2-6	IO35		IO21	J3-6
J2-7	IO32		GND2	J3-7
J2-8	IO33		IO19	J3-8
J2-9	IO25		IO18	J3-9
J2-10	IO26		IO5	J3-10
J2-11	IO27		IO17	J3-11
J2-12	IO14		IO16	J3-12
J2-13	IO12		IO4	J3-13
J2-14	GND1		IO0	J3-14
J2-15	IO13		IO2	J3-15
J2-16	SD2		IO15	J3-16
J2-17	SD3		SD1	J3-17
J2-18	CMD		SD0	J3-18
J2-19	EXT_5V		CLK	J3-19

FAN, SCL1, SDA1, GND, EXT_5V

AUX, TXD, RXD, M1, M0, SDA0, GND, SCL0

ESP32-DEVKITC-32D (1):MODULE_ESP32-DEVKITC-32D

R1 2k2
R2 2k2
R3 2k2

+3.3V +3.3V +3.3V

M0
M1
AUX
RXD
TXD
EXT_5V

U3
E32-433T20D
http://www.ebyte.com/en/downpdf.aspx?id=108

Pin	Name		Name	Pin
1	M0		Fixing_Hole	10
2	M1		Fixing_Hole	9
3	RXD		Fixing_Hole	8
4	TXD			
5	AUX			
6	VCC			
7	GND			

C3 100uF
GND

Conectores I2C

+3.3V
C4 220n
GND

+3.3V +3.3V
R6 2k2
R8 2k2
SCL0
SDA0
+3.3V
GND

J3
Screw_Terminal_01x04
1 2 3 4

+3.3V
C5 220n
GND

+3.3V +3.3V
R7 2k2
R9 2k2
SCL1
SDA1
+3.3V
GND

J4
Screw_Terminal_01x04
1 2 3 4

Entrada 5V aux

J1
Input
1 2

D
D1

EXT_5V

JP1
Jumper_3_Bridged12
3 2 1

GND

U2
LM7805_TO220
VI GND VO
1 2 3

C1 100uF
GND

C2 220n
GND

GND

Saída a MOSFET

EXT_5V

Fan
J2
1 2

R4 100
FAN

R5 10k
GND

Q1
2N7002K

GND

Furos de montagem

H1 MountingHole
H2 MountingHole
H3 MountingHole

Sentium Controls
Sheet: /
File: Esp32_Prototipo.kicad_sch
Title: Termohigrômetro
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