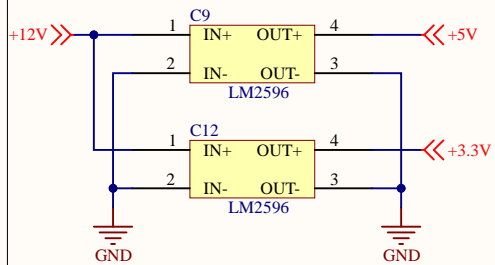
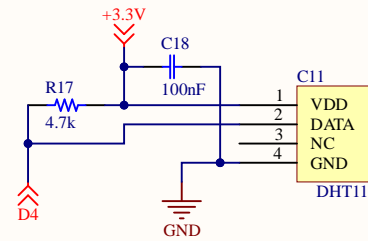


Title		
Size A4	Number	Revision
Date:	6/13/2022	Sheet of
File:	C:\Users\...\Sensores.SchDoc	Drawn By:

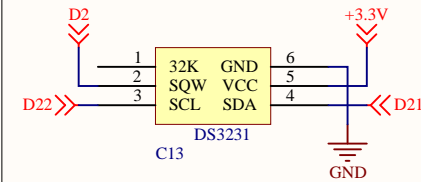
Conversores DC-DC



Sensor de Umidade e Temperatura

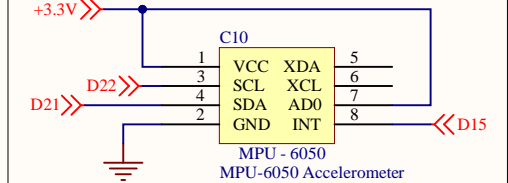


Real Time Clock



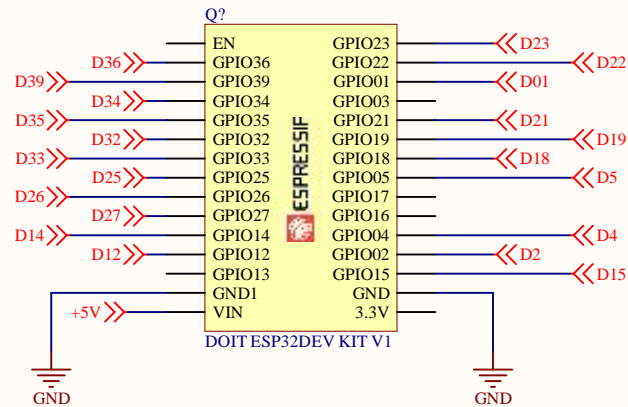
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Acelerômetro e Giroscópio

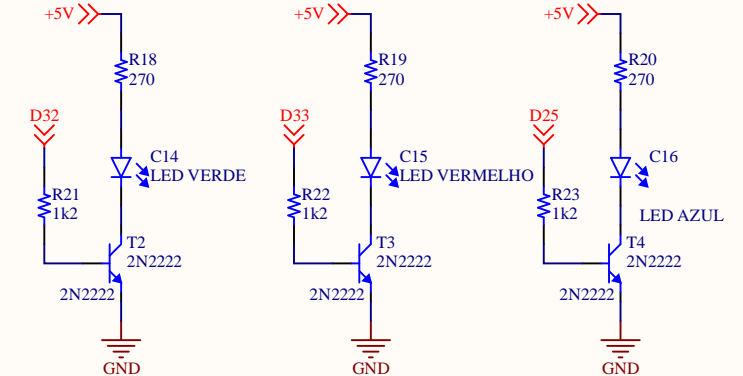


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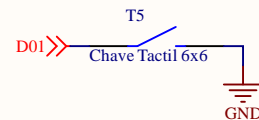
Microcontrolador ESP32



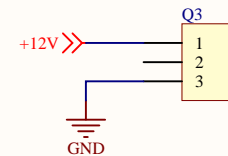
Sinalização



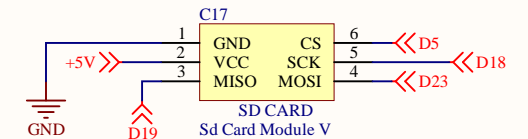
Botão de configuração



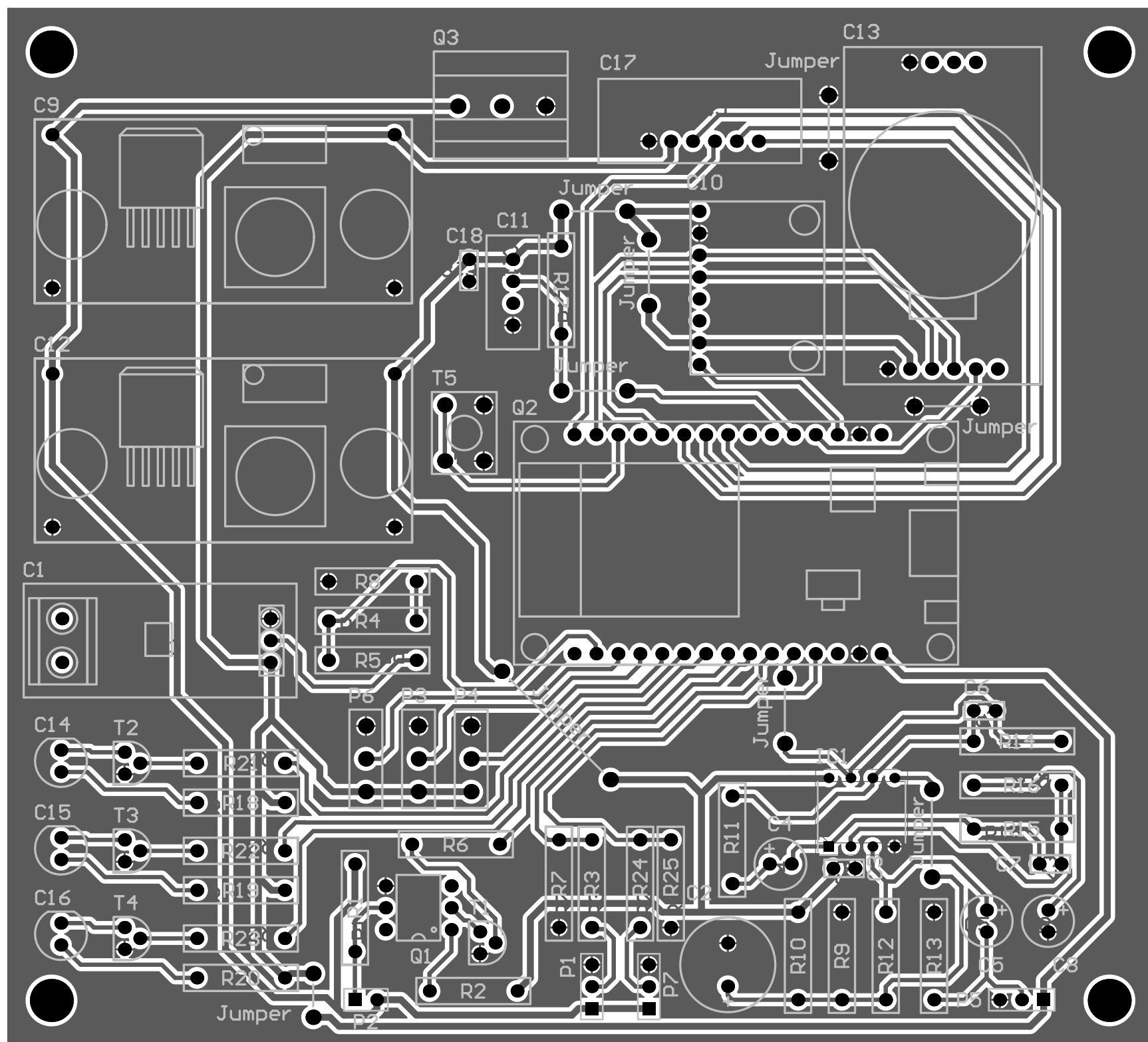
Alimentação



Cartão de Memória



Title		
Esquemático sistema ELEVA-UV		
Size	Number	Revision
A4		V1.0
Date:	6/13/2022	Sheet of
File:	C:\Users\...\Principal.SchDoc	Drawn By: Matheus Vinicius



Comment	Description	Designator	Footprint	LibRef	Quantity
Current Sensor Module ACS712	Current Sensor with ACS712 IC	C1	Current Sensor Module ACS712-Footprint-1	CMP-00001-1	1
100uF	CAPACITOR DIAMETER 10mm	C2	CAP DIA 10mm-Footprint-1	CMP-00009-2	1
100nF	DIAMETER 5mm PITCH 2mm	C3, C18	CAP CERAMIC DIA 5mm-Footprint-1	CMP-00011-2	2
4.7uF	CAPACITOR DIAMETER 5mm	C4, C5, C8	CAP DIA 5mm-Footprint-1	CMP-00008-3	3
2.2nF	DIAMETER 5mm PITCH 2mm	C6, C7	CAP CERAMIC DIA 5mm-Footprint-1	CMP-00011-2	2
Module LM2596S	Step down converter	C9, C12	Module LM2596S-Footprint-1	CMP-00000-4	2
MPU-6050 Accelerometer	Accelerometer, Gyroscope, 3 axis sensor	C10	MPU-6050 Accelerometer-Footprint-1	CMP-00002-1	1
DHT11	DHT11 Temperature and Humidity sensor	C11	DHT11-Footprint-1	CMP-00005-1	1
Real Time Clock DS3231 Module	Real Time Clock DS3231 Module	C13	Real Time Clock DS3231 Module-Footprint-1	CMP-00004-1	1
LED VERDE	LED 5mm	C14	LED 5mm-Footprint-1	CMP-00006-2	1
LED VERMELHO	LED 5mm	C15	LED 5mm-Footprint-1	CMP-00006-2	1
LED AZUL	LED 5mm	C16	LED 5mm-Footprint-1	CMP-00006-2	1
Sd Card Module V	Sd Card Module Vertical	C17	Sd Card Module V-Footprint-1	CMP-00013-1	1
LM358N	Integrated Circuit	IC1	DIP794W56P254L959 H533Q8N	LM358N	1
Sensor Indutivo	Header, 3-Pin	P1, P7	HDR1X3	Header 3	2
SSR	Header, 2-Pin	P2	HDR1X2	Header 2	1
Sensor PIR 1	Header, 3-Pin	P3, P4, P6	HDR1X3	Header 3	3
Sensor Doppler	Header, 3-Pin	P5	HDR1X3	Header 3	1
4N27	Transistor Output Optocouplers DIP-6 PHOTO TRANS	Q1	4N27-Footprint-1	CMP-00026-00001-1	1
BORNE KRE 3-Vias	BORNE KRE 3-Vias	Q3	BORNE KRE 3-Vias-Footprint-1	CMP-00014-1	1
DOIT ESP32DEV KIT V1	Microcontroller ESP32	Q?	DOIT ESP32DEV KIT V1-Footprint-1	CMP-00012-1	1
1k2		R1, R5, R21, R22, R23	RESISTOR 1_4W-Footprint-1	CMP-00007-2	5
100		R2	RESISTOR 1_4W-Footprint-1	CMP-00007-2	1
1k8		R3, R24	RESISTOR 1_4W-Footprint-1	CMP-00007-2	2
1k		R4, R8	RESISTOR 1_4W-Footprint-1	CMP-00007-2	2
680		R6, R7, R25	RESISTOR 1_4W-Footprint-1	CMP-00007-2	3
100k		R9, R10	RESISTOR 1_4W-Footprint-1	CMP-00007-2	2
8k2		R11	RESISTOR 1_4W-Footprint-1	CMP-00007-2	1
330k		R12	RESISTOR 1_4W-Footprint-1	CMP-00007-2	1
12k		R13	RESISTOR 1_4W-Footprint-1	CMP-00007-2	1
1M		R14, R15	RESISTOR 1_4W-Footprint-1	CMP-00007-2	2
10k		R16	RESISTOR 1_4W-Footprint-1	CMP-00007-2	1
4.7k		R17	RESISTOR 1_4W-Footprint-1	CMP-00007-2	1
270		R18, R19, R20	RESISTOR 1_4W-Footprint-1	CMP-00007-2	3
2N2222	Transistor 2N2222	T1, T2, T3, T4	2N2222-Footprint-1	CMP-00010-1	4
Chave Tactil 6x6		T5	Chave Tactil 6x6-Footprint-1	CMP-00015-1	1