

Column1	Column2	Column3	Column4	Column6	Column8
Component Count:	136				
Item	Qty	Reference(s)	Value	Footprint	LCSC
1	1	BZ1	PS1240P02BT	Buzzer_Beeper:Buzzer_TDK_PS1240P02BT_D12.2mm_H6.5mm	C76871
2	7	C1, C5, C6, C11, C14, C15, C27	22uF	Capacitor_SMD:C_0603_1608Metric	C59461
3	15	C2, C3, C4, C7, C10, C12, C13, C16, C17, C18, C24, C25, C26, C28, C29	100nF	Capacitor_SMD:C_0603_1608Metric	C14663
4	2	C8, C9	22pF	Capacitor_SMD:C_0603_1608Metric	C1653
5	5	C19, C20, C21, C22, C23	10nF	Capacitor_SMD:C_0603_1608Metric	C100042
6	3	D1, D2, D5	0603ESDA-05N	Diode_SMD:D_0603_1608Metric	C316054
7	6	D3, D4, D6, D13, D14, D15	UDD32C03L01	Diode_SMD:D_SOD-323_HandSoldering	C78439
8	1	D7	GREEN	LED_THT:LED_D3.0mm_Clear	C559113
9	5	D8, D9, D10, D11, D12	PESD5V0S2BT	Package_TO_SOT_SMD:SOT-23	C49338
10	2	H1, H2	2.5MM	MountingHole:MountingHole_2.7mm_M2.5_Pad_Via	
11	1	J1	2.54MM	Connector_PinHeader_2.54mm:PinHeader_1x06_P2.54mm_Horizontal	
12	2	J2, J10	2.54MM	Connector_PinHeader_2.54mm:PinHeader_1x04_P2.54mm_Vertical	C358686
13	1	J3	10118194-0001LF	Temperature Data Logger:USB_Micro-B_Amphenol_10118194_Horizontal	C132563
14	5	J4, J5, J6, J7, J8	KF2EDGR-3.81-2P	Connector_Phoenix_MC:PhoenixContact_MC_1,5_2-G-3.81_1x02_P3.81mm_Horizontal	C441182
15	3	JP1, JP6, JP7	JMP_NO	Jumper:SolderJumper-3_P1.3mm_Open_RoundedPad1.0x1.5mm	
16	7	JP2, JP3, JP4, JP5, JP8, JP9, JP10	JMP_NO	Jumper:SolderJumper-2_P1.3mm_Open_RoundedPad1.0x1.5mm	
17	18	L1, L2, L3, L4, L5, L6, L7, L8, L9, L10, L11, L12, L13, L14, L15, L16, L17, L18	600Z 1.3A	Inductor_SMD:L_0603_1608Metric	C85833
18	2	Q1, Q2	SS8050	Package_TO_SOT_SMD:SOT-23	C2150
19	1	Q3	UMH3N	Package_TO_SOT_SMD:SOT-363_SC-70-6	C62892
20	10	R1, R2, R3, R5, R15, R16, R17, R18, R20, R26	0R	Resistor_SMD:R_0603_1608Metric	C21189
21	5	R4, R8, R9, R12, R13	10K	Resistor_SMD:R_0603_1608Metric	C25804
22	4	R6, R7, R10, R11	100K	Resistor_SMD:R_0603_1608Metric	
23	1	R14	220R	Resistor_SMD:R_0603_1608Metric	C22962
24	1	R21	1K	Resistor_SMD:R_0603_1608Metric	C21190
25	3	R22, R23, R24	4K7	Resistor_SMD:R_0603_1608Metric	C23162
26	1	R25	470R	Resistor_SMD:R_0603_1608Metric	
27	1	RV1	50K	Potentiometer_THT:Potentiometer_Bourns_3296W_Vertical	C118911
28	6	SW1, SW2, SW3, SW4, SW5, SW6	TS665CJ	Button_Switch_THT:SW_PUSH_6mm_H13mm	
29	5	TP1, TP2, TP3, TP4, TP9	TP	TestPoint:TestPoint_Pad_1.0x1.0mm	
30	1	U1	LCD 20x4	Temperature Data Logger:LCD_LCD-20X4B	
31	1	U2	ESP32-WROOM-32E	Temperature Data Logger:ESP32-WROOM-32E	
32	1	U3	CH340G	Package_SO:SOIC-16_3.9x9.9mm_P1.27mm	C14267
33	1	U4	HT8574	Package_SO:SOIC-16W_7.5x10.3mm_P1.27mm	C2834482
34	5	U5, U7, U8, U9, U10	MAX31855KASA	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	C52028
35	1	U6	AMS1117-3.3	Package_TO_SOT_SMD:SOT-223-3_TabPin2	C6186
36	1	U11	AT24C128C	Package_SO:SOIC-8_3.9x4.9mm_P1.27mm	C6478
37	1	Y1	12MHz	Crystal:Crystal_SMD_SeikoEpson_FA238V-4Pin_3.2x2.5mm	C9002