

Name	Description	Designator	Qty
LM2575D2T-5G	Buck Converter	-	1
22uF	Aluminum Electrolytic Capacitor, 25V	C1A, C1B	2
68uF	Aluminum Electrolytic Capacitor, 25V	C2A, C2B	2
10uF	Ceramic Capacitor, 0805, 25V	C3, C7, C8	3
0.1uF	Ceramic Capacitor, 16V, 0805	C4-C17	12
1N4007	General Purpose Rectifier	D1	1
1N5819HW-7-F	Schottky Diode, 40V 1A	D2	1
PWR 12V	Power Input	J1	1
SOL VLV	Screw Terminal	J2	1
Sens1-5	Sensor Inputs	J3-J4, J15-J17	5
Sens6-9	Sensor Inputs	J18-J21	4
MAN LED	Manual Mode LED	J5	1
Auto LED	Auto Mode LED	J6	1
TMR LED	Timer Mode LED	J7	1
MAN PB	Manual Mode Button	J8	1
Auto PB	Auto Mode Button	J9	1
TMR PB	Timer Mode Select	J10	1
LCD	Display	J11	1
TMR UP	Timer Up Button	J12	1
TMR DN	Timer Down Button	J13	1
Flow Sensor	Flow Sensor	J14	1
ST/SP	Timer Start/Stop	J22	1
330uH	Fixed Inductor	L1	1
IRLML6344TRPBF	N-MOSFET, 30V 5A	Q1	1
10k	Chip Resistor, 0805	R1-R5	5
ESP32-C3-DEVKITC-02	ESP32 Dev Board, Wi-Fi/BLE	U1	1
Sens8	SDI12 Mositure Sensor	J20	1
Sens9	SDI12 Mositure Sensor	J21	1