



Designator	Comment	Description	Quantity	Value	Reference Link
D1	Diode	Rectifier Diode 1N4007	1	1N4007	1N4007
L1	Red LED	5mm Red LED	1		5mm Red LED
Q1	Transistor	NPN General Purpose Amplifier	1	PN2222	PN2222
R1	Resistor	1/4 W Resistor 1K 5%	1	1K	1K
R2, R3, R5	Resistor	1/4 W Resistor 10K 5%	3	10K	10K
R4	Resistor	1/4 W Resistor 300R 5%	1	300R	300R
RLY1	Relay	5V Relay	1		5V
S1	Switch	Switch Pushbutton	1		Switch
T1	Terminal	3-Way Screw Terminal	1		Screw Terminal
T2	JST for the external switch	JST Male Board Connector	1		JST Connector
T3,T4	Not in Schematic (Optional)	Female Pin Header 15x2.54mm (Pitch)	2		Pin Header
U1	ESP32 Dev Kit V1	DoIT Development board	1		ESP32
U2	DHT22	Temperature and Humidity Sensor	1		DHT22