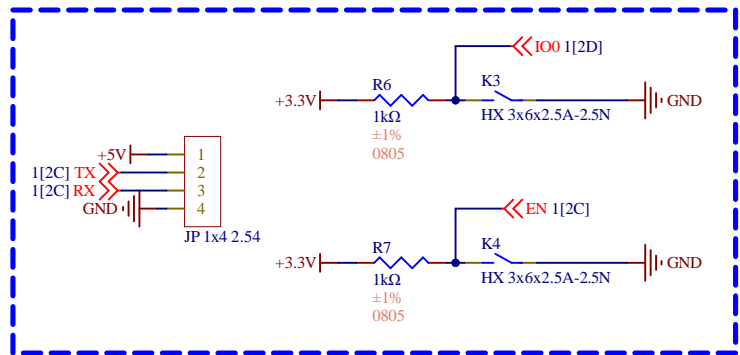



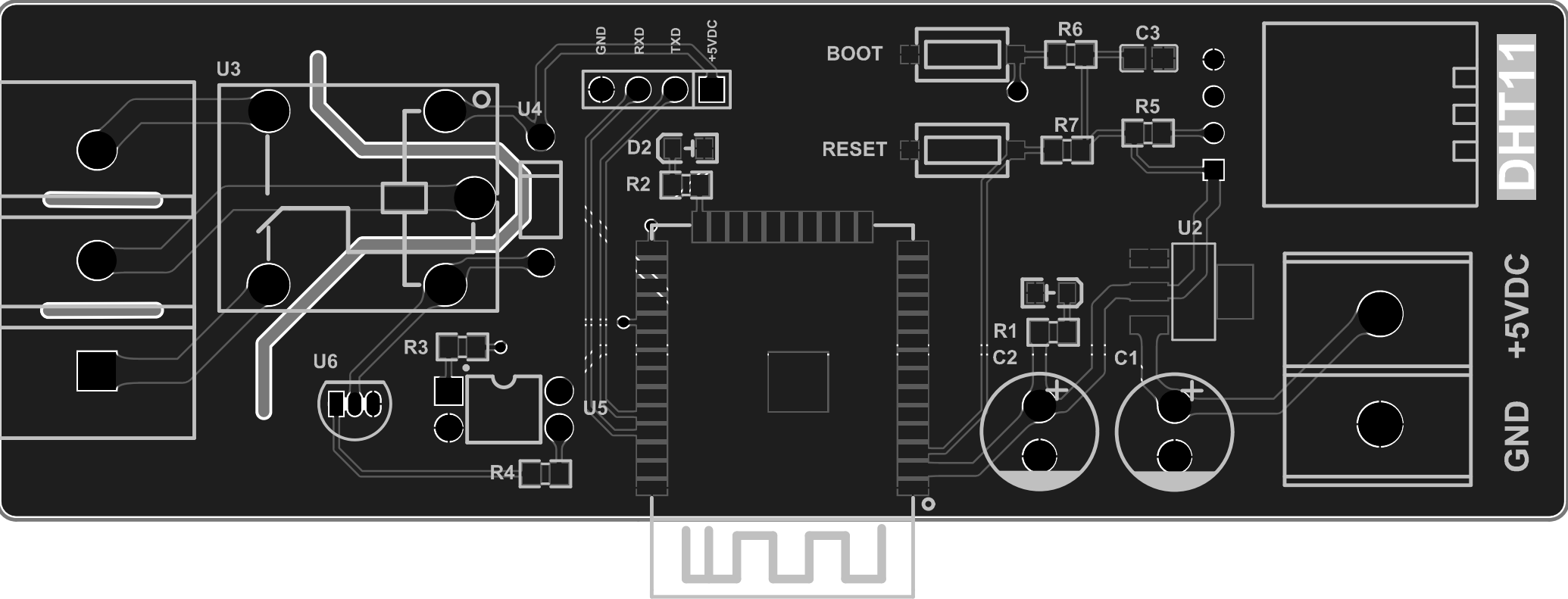
[illegible]

The diagram shows a circuit for the first experiment. A +5V DC supply is connected to pin 1 of a connector labeled K1. The connector is identified as DBT10-7.62-2P-GN-P. Pin 2 of the connector is connected to a ground symbol labeled GND.



Title: <b>MICRO CONTROLLER</b>			Author: QUOC BAO	
			Approved:	
			<b>CONFIDENTIAL</b>	
Size: A4	Project: ESP32S RELAY		Modified Date: 12/4/2025	
			Revision: 1.0	
Date: 12/4/2025	6:26:03 PM	Sheet 1 of 1	SW Version: 24.1.2.44	





Comment	Description	Designator	Footprint	LibRef	Quantity
100uF	3.5mm 100uF 50V ±20% Through Hole,D8xL11.5mm Aluminum Electrolytic Capacitors RoHS	C1, C2	C_TH_8x11.5	C_100uF_8x11.5_TH	2
100nF	50V 10pF NP0 ±1% 0402 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	C3	C0805	C0805_100nF_±1%	1
RED	25mcd-40mcd Water Clear -40°C-+85°C 624nm Red 120° 60mW 0402 LED Indication - Discrete ROHS	D1, D2	LED0805	D0805_RED	2
JP 1x4 2.54	Cắm	JP1	JP 1X4 DT	JP 1x4 2.54 Cai Thang	1
DBT10-7.62-2P-GN-P	1x2P Side Mount 2- Side 7.62mm 1 2 24A - 40°C-+105°C Green 14-22 Straight Pin Through Hole,P=7.62mm Barrier Blocks RoHS	K1	DBT10-7.62-2P-GN-P	DBT10-7.62-2P-GN-P	1
DHT11	±5%RH -20°C-+60°C 5%RH-95%RH SIP-4 Humidity, Moisture Sensors RoHS	K2	DHT11	DHT11	1
HX 3x6x2.5A-2.5N	Without Bracket 6mm 12V 3.6mm Square Button No SPST 50mA SMD,6x3mm Tactile Switches RoHS	K3, K4	HX 3x6x2.5A-2.5N	HX 3x6x2.5A-2.5N	2
1kΩ	62.5mW Thick Film Resistor 50V ±1% ±200ppm/°C 10Ω 0402 Chip Resistor - Surface Mount ROHS	R1, R2, R3, R4, R5, R6, R7	R0805	R0805_1kΩ_±1%	7
DBT50G-7.62-3P-BK-P	1x3P Side Mount With Cover Plate 7.62mm 1 3 -40°C-+105°C 20A Black 12-22 Straight Pin Through Hole,P=7.62mm Barrier Blocks RoHS	U1	DBT50G-7.62-3P-BK-P	DBT50G-7.62-3P-BK-P	1
LM1117S-3.3	75dB@(120Hz) 1A Fixed 3.3V Positive 12V SOT-223-3 Voltage Regulators - Linear, Low Drop Out (LDO) Regulators ROHS	U2	AMS1117-3.3	LM1117S-3.3	1
SRD-05VDC-SL-C	250V@AC 5V 15A Through Hole,19.2x15.6mm Power Relays RoHS	U3	SRD-05VDC-SL-C	SRD-05VDC-SL-C	1
1N4007G	30A 1kV 930mV@1A 1A DO-41 Single Diodes RoHS	U4	1N4007G	1N4007G	1
PC817X3NSZWV	50mA 100mV@20mA,1mA 80V 6V DC DIP-4 Transistor, Photovoltaic Output Optoisolators RoHS	U5	PC817X3NSZWV	PC817X3NSZWV	1
2SC2383-Y	900mW 160V 1A NPN TO-92LM Single Bipolar Transistors RoHS	U6	2SC2383-Y	2SC2383-Y	1
ESP32-S32Mb	2.4GHz ESP32 Chip On- board PCB Antenna - 90dBm RF Transceiver Modules and Modems RoHS	U7	ESP32-S32Mb	ESP32-S32Mb	1