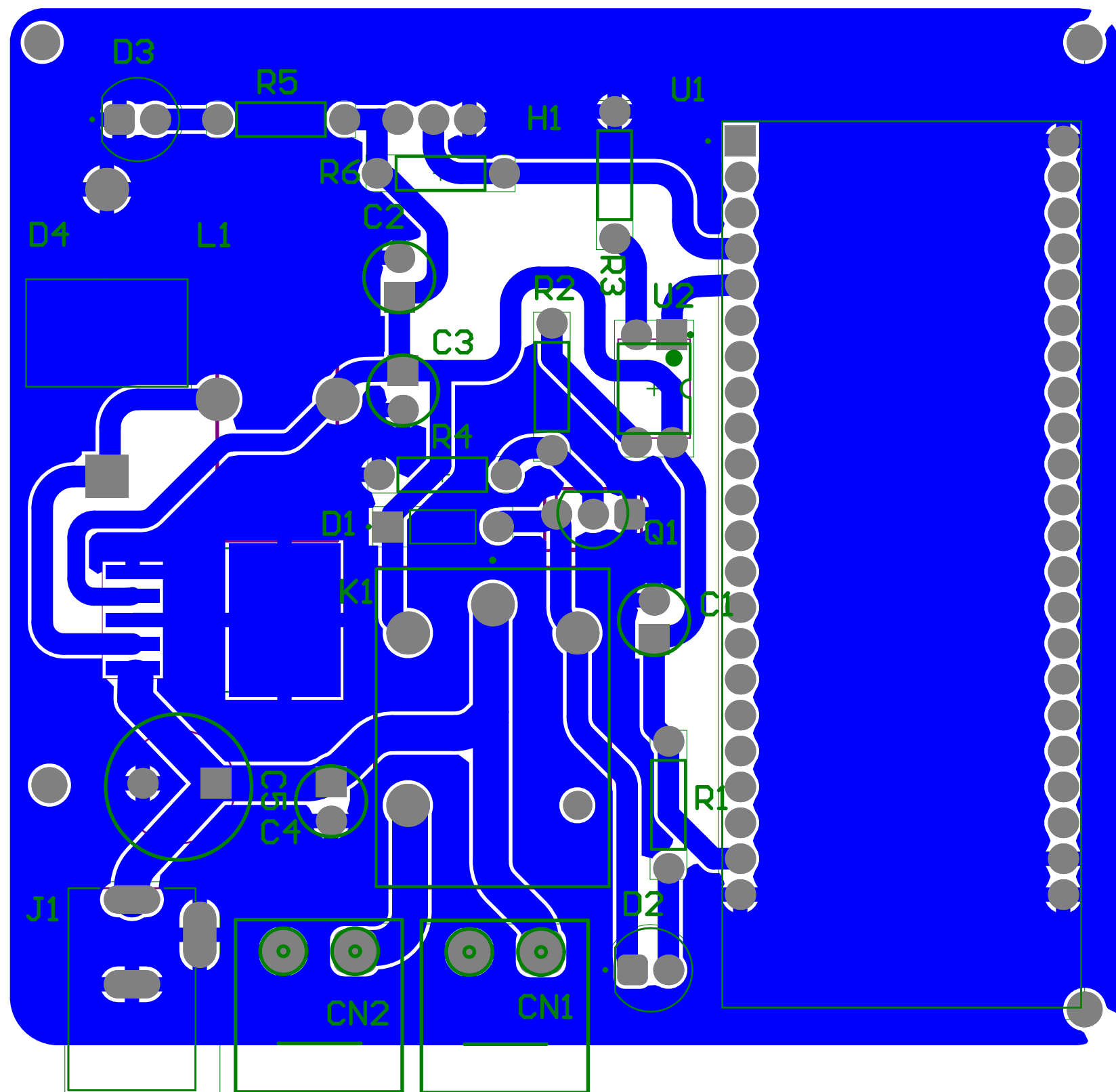


Title		
Size	Number	Revision
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Date:	2/03/2025	Sheet of
File:	E:\Task_01\..\temp_controller_01.SchDoc	Drawn By:



Comment	Description	Designator	Footprint	LibRef	Quantity
100uF 16V	CAP ALUM 100uF 16V RADIAL TH	C1, C2	100uF 16V	100uF 16V	2
0.1uF 16V	Cap 0.1uF 16V RADIAL TH	C3	0.1uF 16V	0.1uF 16V	1
680uF 25V	Cap 680uF 25V RADIAL TH	C4	680uF 25V	680uF 25V	1
10uF 25V	Cap 10uF 25V RADIAL TH	C5	10 uF 25V	10uF 25V	1
WJ2EDGRC-5.08-2P		CN1, CN2	Terminal Block P5.08-2P	WJ2EDGRC-5.08-2P	2
1N4007-T	Diode Standard 1A 1000V 1Vf DO41 Diodes Inc 1N4007-T	D1	D1OAD780W78L463D236	1N4007-T	1
L08R5000Q1	LED, 5MM, ORANGE, LED / Lamp Size: 5mm / T-1 3/4; LED Colour: Orange; Typ Luminous Intensity: 4.3mcd; Viewing Angle: ...	D2, D3	LED RD254W57D500H1070	L08R5000Q1	2
1N5824	Diode Schottky 30V 5A Through Hole Axial	D4	D1OAD1898W129L762D1143	1N5824	1
Header 1x3		H1	Header 1x3 male	Header 1x3	1
DC-005	DC Jack	J1	NINIGL_DC-005	DC-005	1
G5LE-14-DC5	RELAY GEN PURPOSE SPDT 10A 5V	K1	FP-G5LE-14-DC5-MFG	CMP-08822-000008-1	1
33uF	Inductor 33 uH TH	L1	33uF TH Radial	HCTI-33-11.7	1
2N2222	TRANS NPN 50V 0.8A TO218	Q1	FP-JAN2N2222A-MFG	CMP-06366-000013-1	1
330	Axial Resistor,	R1, R5	RESA60-630X240	CMP-1659-00075-1	2
1k	Axial Resistor,	R2, R3	RESA60-630X240	CMP-1659-00075-1	2
10k	Axial Resistor,	R4	RESA60-630X240	CMP-1659-00075-1	1
4.7k	Axial Resistor,	R6	RESA60-630X240	CMP-1659-00075-1_1	1
ESP32-S3-DEVKITC-1-N16R8	WiFi Development Tools - 802.11 (Engineering Samples Only) ESP32-S3 General-Purpose Development Board, ESP32-S3-WROOM-1-N16R8, with Pin Header	U1	XCVR_ESP32-S3-DEVKITC-1-N16R2	ESP32-S3-DEVKITC-1-N16R2	1
PC817	Photocoupler, 50 mA Forward Current, 1.2 V Forward Voltage, -50 to 110 degC, 4-Pin DIP, RoHS Tube	U2	LTST-LTV-817-4	CMP-2000-06632-1	1
LM2596S-5.0_1	SIMPLE SWITCHER; 4.5V to 40V, 3A Low Component Count Step-Down Regulator	VR1	TO170P1524X483-6N	LM2596S-5.0_1	1